SHARP SERVICE MANUAL

No. S3022CDK7000W

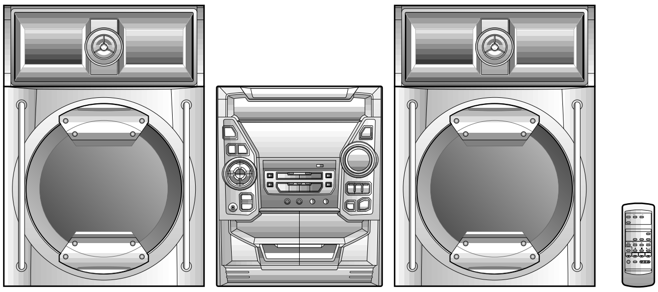


Illustration: CD-K7000W/CP-C7000

CD-K7000W
CD-C7000W
CP-C7000

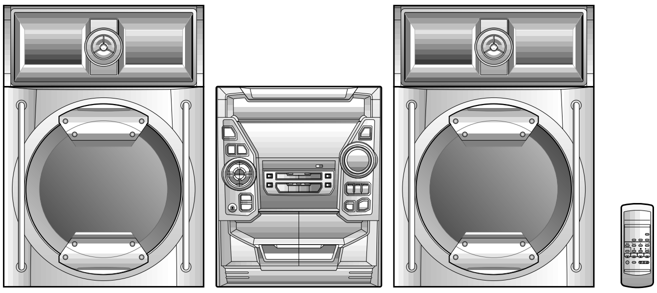


Illustration: CD-C7000W/CP-C7000

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

COMPACT disc DIGITAL AUDIO

SAVING ENERGY STAND-BY POWER CONSUMPTION 0.8W

CONTENTS

DIFFERENCE BETWEEN CD-K7000W AND CD-C7000W

	CD-K7000W	CD-C7000W
Karaoke	○	×

SHARP CORPORATION

SAFETY PRECAUTION FOR SERVICE MANUAL

WARNINGS

THE AEL (ACCESSIBLE EMISSION LEVEL) OF THE LASER POWER OUTPUT IS LESS THAN CLASS 1 BUT THE LASER COMPONENT IS CAPABLE OF EMITTING RADIATION EXCEEDING THE LIMIT FOR CLASS 1. THEREFORE IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS ARE OBSERVED DURING SERVICING TO PROTECT YOUR EYES AGAINST EXPOSURE TO THE LASER BEAM.

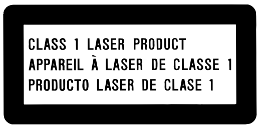
1-WHEN THE CABINET IS REMOVED, THE POWER IS TURNED ON WITHOUT A COMPACT DISC IN POSITION AND THE PICK-UP IS ON THE OUTER EDGE THE LASER WILL LIGHT FOR SEVERAL SECONDS TO DETECT A DISC. DO NOT LOOK INTO THE PICK-UP LENS.

2-THE LASER POWER OUTPUT OF THE PICK-UP UNIT AND REPLACEMENT SERVICE PARTS ARE ALL FACTORY PRE-SET BEFORE SHIPMENT.
DO NOT ATTEMPT TO RE-ADJUST THE LASER PICK-UP UNIT DURING REPLACEMENT OR SERVICING.

3-UNDER NO CIRCUMSTANCES STARE INTO THE PICK-UP LENS AT ANY TIME.

4-CAUTION-USE OF CONTROLS OR ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

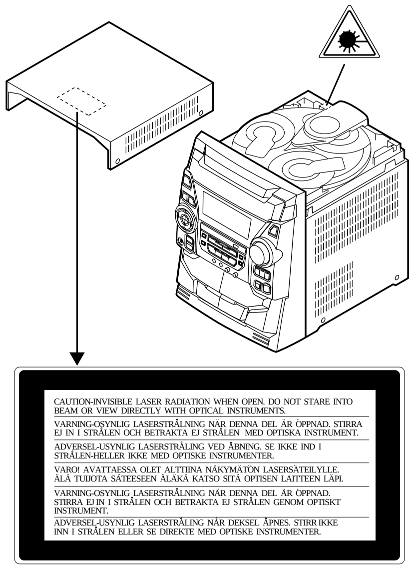
CAUTION



- This Mini Component System is classified as a CLASS 1 LASER product.
- The CLASS 1 LASER PRODUCT label is located on the rear cover.
- Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

Laser Diode Properties
Material: GaAIAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW

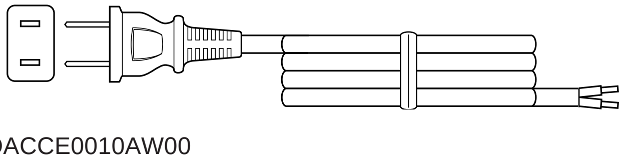


VARO ! Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.
VARNING! Osynlig laserstralning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

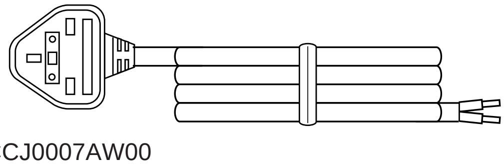
VOLTAGE SELECTION

The voltage selector is located on the AC voltage selector box. If adjustment is necessary, use a screwdriver in order to turn the selector in either direction until the correct voltage figure is displayed in the window next to the adjustment screw.

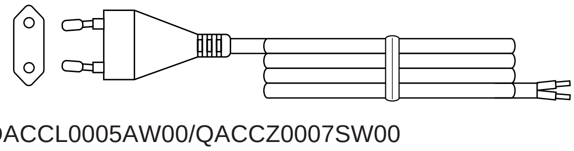
QACCA0003AW00



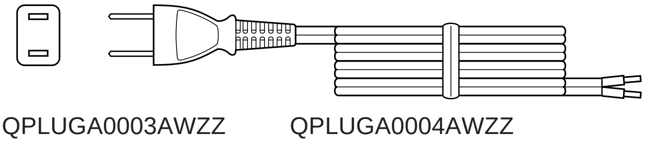
QACCB0006AW00



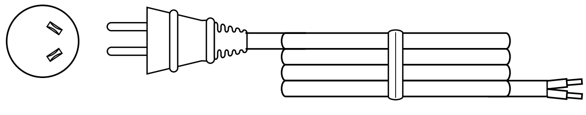
QACCE0010AW00



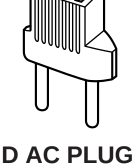
QACCJ0007AW00



QACCL0005AW00/QACCZ0007SW00



QPLUGA0003AWZZ



QPLUGA0004AWZZ

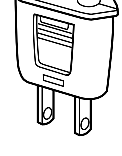


Figure 2 AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

CD-K7000W/C7000W

● General

Power source: AC 110/127/220/230-240 V, 50/60 Hz
Power consumption: 210 W
Dimensions: Width; 270 mm (10-5/8")
Height; 330 mm (13")
Depth; 355 mm (14")
Weight: 11.5 kg (25.3 lbs.)

● Amplifier section

Output power: MPO; 830 W (415 W + 415 W) (10 % T.H.D.)
RMS; 500 W (250 W + 250 W) (10 % T.H.D.)
RMS; 440 W (220 W + 220 W) (0.9 % T.H.D.)
Output terminals: Speakers; 6 ohms
Headphones; 16-50 ohms (recommended; 32 ohms)
CD digital output (optical)
Input terminals: (CD-K7000W) Video/Auxiliary (audio signal); 500 mV/47 kohms
Microphone 1/2; 1 mV/600 ohms
Input terminals: (CD-C7000W) Video/Auxiliary (audio signal); 500 mV/47 kohms

● Compact disc player section

Type: 3-disc multi-play compact disc player
Signal readout: Non-contact, 3-beam semi-conductor laser pickup
D/A Converter: 1-bit D/A converter
Frequency response: 20 - 20,000 Hz
Dynamic range: 90 dB (1 kHz)

● Tuner section

Frequency range: FM; 88 - 108 MHz
AM; 531 - 1,602 kHz

● Cassette deck section

Frequency response: 50 - 14,000 Hz (Normal tape)
Signal/noise ratio: 55 dB (TAPE 1, playback)
50 dB (TAPE 2, recording/playback)
Wow and flutter: 0.3 % (WRMS)

CP-C7000

● Speaker section

Type: 4-way type [25 cm (10")woofer, 10 cm (4") midrange, 10 cm (4") tweeter and super tweeter]
Maximum input power (Total): 500 W
Rated input power (Total): 250W
Impedance: 6 ohms
Dimensions: **(Main speaker)**
Width; 330 mm (13")
Height; 330 mm (13")
Depth; 386 mm (15-3/8")
(Sub speaker)
Width; 330 mm (13")
Height; 135 mm (5-5/16")
Depth; 306 mm (12-1/4")
Weight: **(Main speaker)**
8.8 kg (19.4 lbs.)/each
(Sub speaker)
3.8 kg (8.4 lbs.)/each

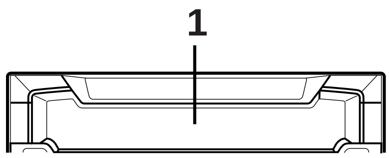
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

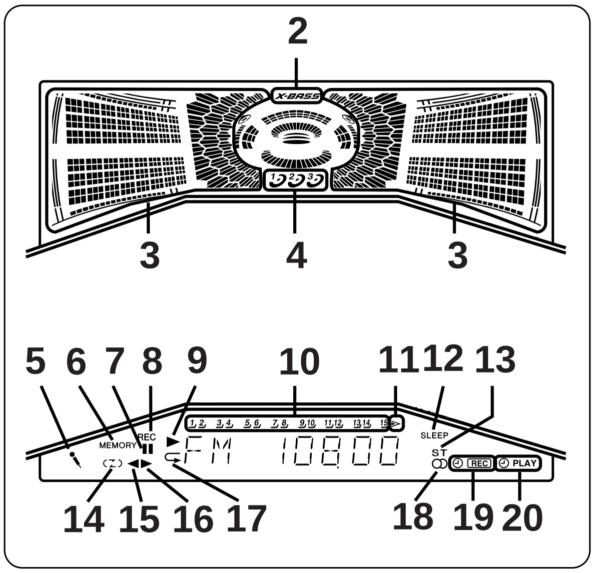
CD-K7000W

■ Front panel

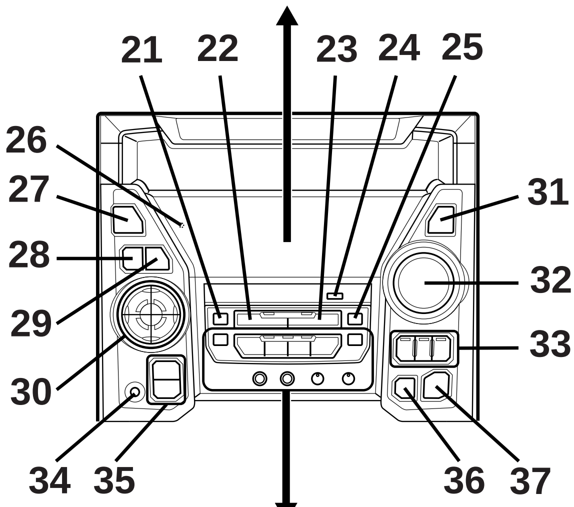
1. (CD) Disc Tray



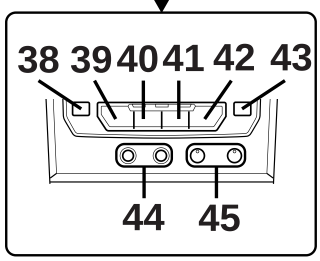
2. Extra Bass Indicator
3. Spectrum Analyzer/Volume Level Indicator
4. (CD) Disc Number Indicators
5. Karaoke Mode Indicator
6. (CD/TUNER) Memory Indicator
7. (CD) Pause Indicator
8. (TAPE 2) Record Indicator
9. (CD) Play Indicator
10. (CD) Music Schedule Indicators
11. (CD) More Tracks Indicator
12. Sleep Indicator
13. FM Stereo Mode Indicator
14. (TAPE) Reverse Mode Indicator
15. (TAPE 2) Reverse Play Indicator
16. (TAPE 1) Play Indicator
    (TAPE 2) Forward Play Indicator
17. (CD) Repeat Indicator
18. FM Stereo Indicator
19. Timer Record Indicator
20. Timer Play Indicator



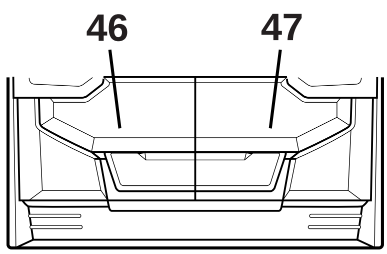
21. Memory/Set Button
22. (CD) Track Down/Review Button
    (TUNER) Preset Down Button
    (TAPE 2) Fast Wind Button
23. (CD) Track Up/Cue Button
    (TUNER) Preset Up Button
    (TAPE 2) Fast Wind Button
24. Surround Button
25. Equalizer Mode Selector Button
26. Timer Set Indicator
27. On/Stand-by Button
28. Clock Button
29. Timer/Sleep Button
30. Function Selector Buttons
31. Dimmer Button
32. Volume Control
33. (CD) Disc Number Select Buttons
34. Headphone Socket
35. Tuning and Time Up/Down Buttons
36. (CD) Disc Skip Button
37. (CD) Open/Close Button



38. (TAPE 2) Record Pause Button
39. (TAPE 2) Reverse Play Button
40. (CD/TAPE) Stop Button
41. (TAPE 2) Reverse Mode Button
42. (CD) Play/Repeat Button
    (TAPE1) Play Button
    (TAPE 2) Forward Play Button
43. Extra Bass/Demo Mode Button
44. Microphone Sockets
45. Microphone Level Controls



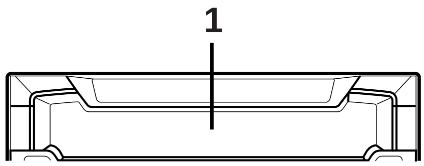
46. (TAPE 1) Cassette Compartment
47. (TAPE 2) Cassette Compartment



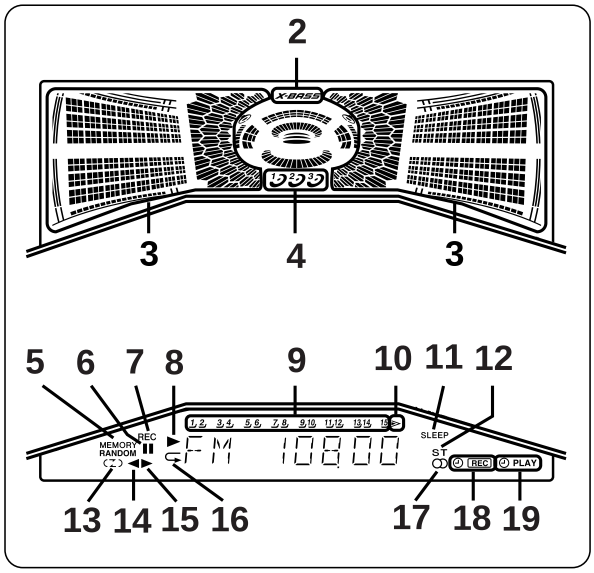
CD-C7000W

■ **Front panel**

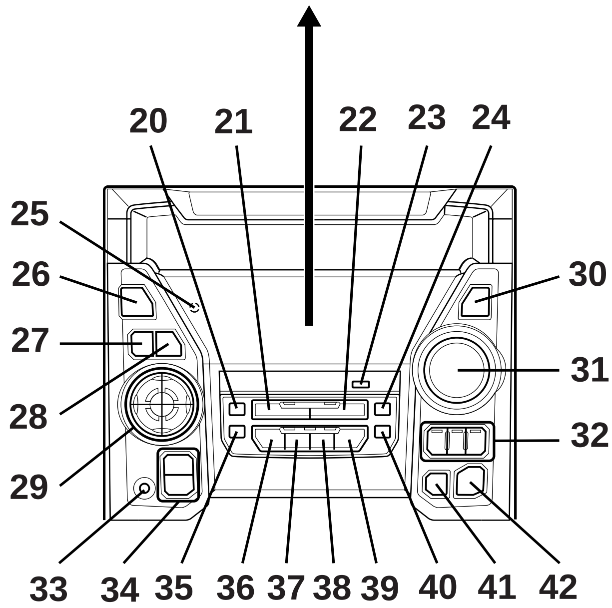
1. (CD) Disc Tray



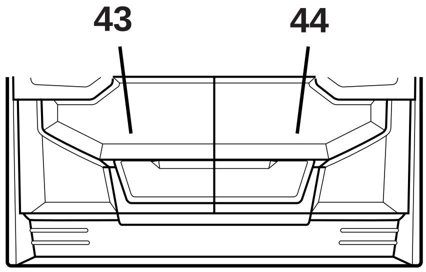
2. Extra Bass Indicator
3. Spectrum Analyzer/Volume Level Indicator
4. (CD) Disc Number Indicators
5. (CD/TUNER) Memory Indicator
6. (CD) Pause Indicator
7. (TAPE 2) Record Indicator
8. (CD) Play Indicator
9. (CD) Music Schedule Indicators
10. (CD) More Tracks Indicator
11. Sleep Indicator
12. FM Stereo Mode Indicator
13. (TAPE) Reverse Mode Indicator
14. (TAPE 2) Reverse Play Indicator
15. (TAPE 1) Play Indicator
    (TAPE 2) Forward Play Indicator
16. (CD) Repeat Indicator
17. FM Stereo Indicator
18. Timer Record Indicator
19. Timer Play Indicator



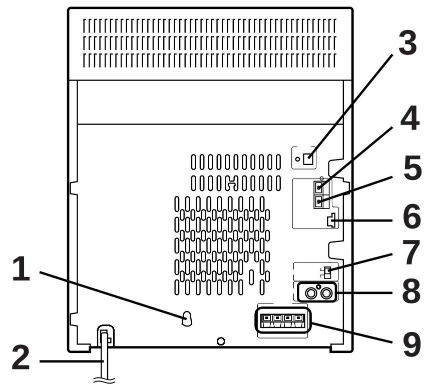
20. Memory/Set Button
21. (CD) Track Down/Review Button
    (TUNER) Preset Down Button
    (TAPE 2) Rewind Button
22. (CD) Track Up/Cue Button
    (TUNER) Preset Up Button
    (TAPE 2) Fast Forward Button
23. Surround Button
24. Equalizer Mode Selector Button
25. Timer Set Indicator
26. On/Stand-by Button
27. Clock Button
28. Timer/Sleep Button
29. Function Selector Buttons
30. Dimmer Button
31. Volume Control
32. (CD) Disc Number Select Buttons
33. Headphone Socket
34. Tuning and Time Up/Down Buttons
35. (TAPE 2) Record Pause Button
36. (TAPE 2) Reverse Play Button
37. (CD/TAPE) Stop Button
38. (TAPE 2) Reverse Mode Button
39. (CD) Play/Repeat Button
    (TAPE1) Play Button
    (TAPE 2) Forward Play Button
40. Extra Bass/Demo Mode Button
41. (CD) Disc Skip Button
42. (CD) Open/Close Button



43. (TAPE 1) Cassette Compartment
44. (TAPE 2) Cassette Compartment

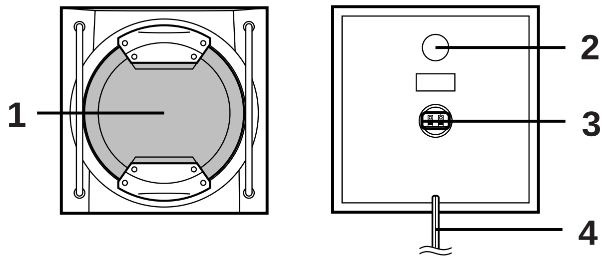


■ Rear panel
1. AC Voltage Selector
2. AC Power Lead
3. CD Digital Output Socket
4. FM 75 Ohms Aerial Terminal
5. FM Aerial Earth Terminal
6. AM Loop Aerial Input Socket
7. Span Selector Switch
8. Video/Auxiliary (Audio Signal) Input Sockets
9. Main Speaker Terminals

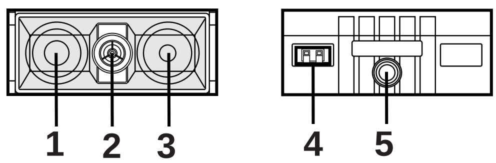


CP-C7000

■ Main speaker
1. Woofer
2. Bass Reflex Duct
3. Speaker Terminals
4. Speaker Wire for Sub Speaker

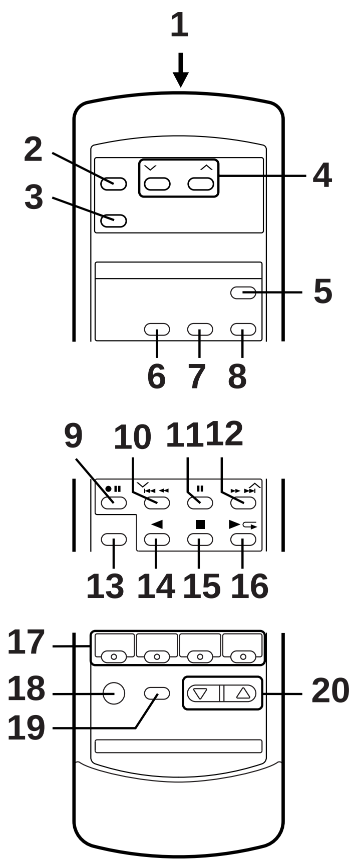


■ Sub speaker
1. Mid Range
2. Super Tweeter
3. Tweeter
4. Speaker Terminals
5. Bass Reflex Duct



CD-K7000W

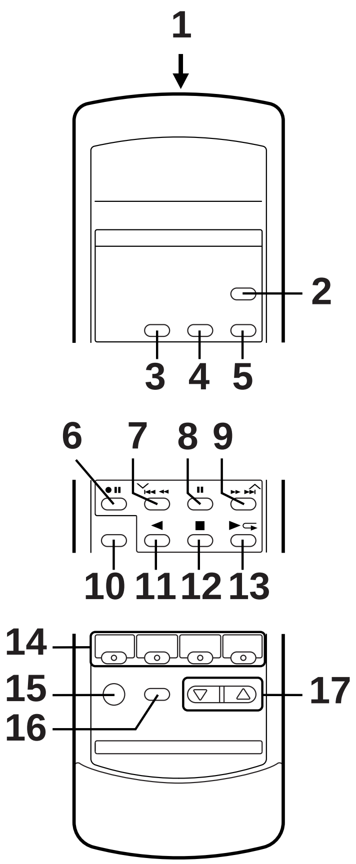
■ Remote Control
1. Remote Control Transmitter LED
2. Karaoke Mode Button
3. Vocal Replacer Button
4. Echo Level Up/Down Buttons
5. (CD) Disc Skip Button
6. (CD) Clear Button
7. (CD) Memory Button
8. (CD) Random Button
9. (TAPE 2) Record Pause Button
10. (CD) Track Down/Review Button
    (TUNER) Preset Down Button
    (TAPE 2) Fast Wind Button
11. (CD) Pause Button
12. (CD) Track Up/Cue Button
    (TUNER) Preset Up Button
    (TAPE 2) Fast Wind Button
13. Equalizer Mode Selector Button
14. (TAPE 2) Reserve Play Button
15. (CD/TAPE) Stop Button
16. (CD) Play/Repeat Button
    (TAPE 1) Play Button
    (TAPE 2) Forward Play Button
17. Function Selector Buttons
18. On/Stand-by Button
19. Extra Bass Button
20. Volume Up/Down Buttons



CD-C7000W

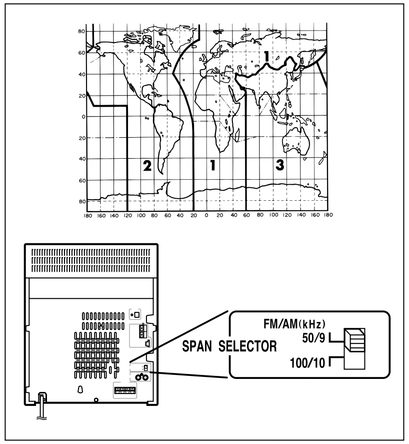
■ **Remote Control**

1. Remote Control Transmitter LED
2. (CD) Disc Skip Button
3. (CD) Clear Button
4. (CD) Memory Button
5. (CD) Random Button
6. (TAPE 2) Record Pause Button
7. (CD) Track Down/Review Button
   (TUNER) Preset Down Button
   (TAPE 2) Fast Wind Button
8. (CD) Pause Button
9. (CD) Track Up/Cue Button
   (TUNER) Preset Up Button
   (TAPE 2) Fast Wind Button
10. Equalizer Mode Selector Button
11. (TAPE 2) Reserve Play Button
12. (CD/TAPE) Stop Button
13. (CD) Play/Repeat Button
    (TAPE 1) Play Button
    (TAPE 2) Forward Play Button
14. Function Selector Buttons
15. On/Stand-by Button
16. Extra Bass Button
17. Volume Up/Down Buttons



OPERATION MANUAL

PREPARATION FOR USE



AM/FM interval (span)

The International Telecommunication Union (ITU) has established that member countries should maintain either a 10 kHz or a 9 kHz interval between broadcasting frequencies of any AM station. The illustration shows the 9 kHz interval zones (regions 1 and 3), and the 10 kHz interval zone (region 2).
Before using the unit, set the SPAN SELECTOR switch (on the rear panel) to AM tuning interval (span) of your area.

To change the tuning zone:

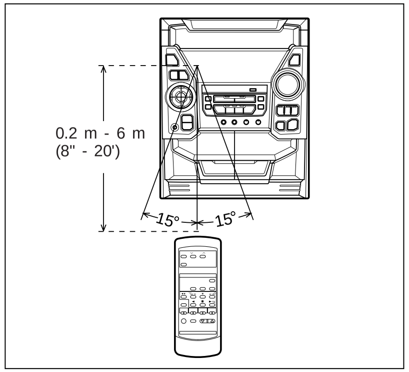
1 Press the ON/STAND-BY button to enter the stand-by mode.

2 Set the SPAN SELECTOR switch to "50/9" for 9 kHz AM interval (50 kHz FM interval), and "100/10" for 10 kHz AM interval (100 kHz FM interval).

3 Whilst pressing down the ▶ button and the X-BASS/DEMO button, hold down the ON/STAND-BY button for at least 1 second.

- "CLEAR AL" will appear.

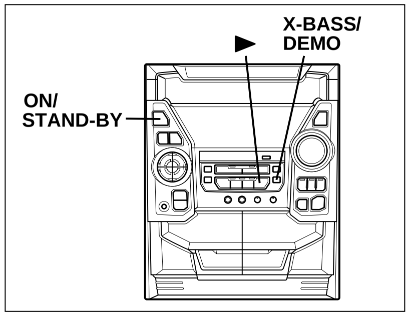
Caution:
- The operation explained above will erase all data stored in memory including clock and timer settings, and tuner and CD presets.



Remote control

Notes concerning use:
- Replace the batteries if the operating distance is reduced or if the operation becomes erratic.
- Periodically clean the transmitter LED on the remote control and the sensor on the main unit with a soft cloth.
- Exposing the sensor on the main unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
- Keep the remote control away from moisture, excessive heat, shock, and vibrations.

RESETTING THE MICROCOMPUTER



Reset the microcomputer under the following conditions:
- To erase all of the stored memory contents (clock and timer settings, and tuner and CD presets).
- If the display is not correct.
- If the operation is not correct.

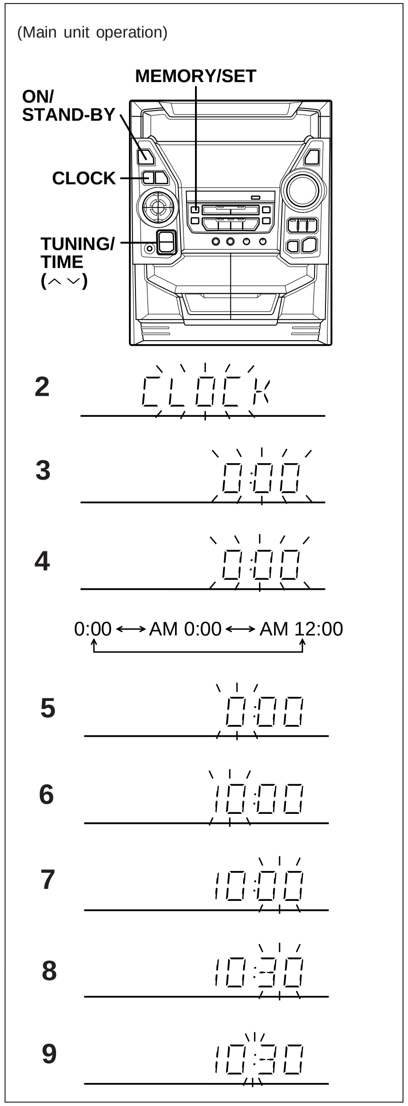
1 Press the ON/STAND-BY button to enter the stand-by mode.

2 Whilst pressing down the ▶ button and the X-BASS/DEMO button, hold down the ON/STAND-BY button for at least 1 second.

- "CLEAR AL" will appear.

Caution:
- The operation explained above will erase all data stored in memory including clock and timer settings, and tuner and CD presets.

SETTING THE CLOCK



In this example, the clock is set for the 24-hour (0:00) system.

1 Press the ON/STAND-BY button to enter the stand-by mode.

2 Press the CLOCK button.

3 Within 5 seconds, press the MEMORY/SET button.

4 Press the TUNING/TIME (∨ or ∧) button to select the time display mode.

"0:00" → The 24-hour display will appear. (0:00 - 23:59)
"AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)
"AM 12:00" → The 12-hour display will appear. (AM 12:00 - PM 11:59)

- Note that this can only be set when the unit is first installed or it has been reset.

5 Press the MEMORY/SET button.

6 Press the TUNING/TIME (∨ or ∧) button to adjust the hour.

- Press the TUNING/TIME (∨ or ∧) button once to advance the time by 1 hour. Hold it down to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".

7 Press the MEMORY/SET button.

8 Press the TUNING/TIME (∨ or ∧) button to adjust the minutes.

- Press the TUNING/TIME (∨ or ∧) button once to advance the time by 1 minute. Hold it down to change the time in 5 minute intervals.
- The hour setting will not advance even if minutes advance from "59" to "00".

9 Press the MEMORY/SET button.

- The clock starts operating from "0" second. (Seconds are not displayed.) And then the clock display will disappear after a few seconds.

To see the time display:
Press the CLOCK button.
- The time display will appear for about 5 seconds.

Note:
- The clock display will flash on and off at the push of the CLOCK button when the AC power supply is restored after a power failure occurs or after the AC power lead is disconnected.
If this happens, follow the procedure below to change the clock time.

To change the clock time:

① Press the CLOCK button.

② Within 5 seconds, press the MEMORY/SET button.

③ Perform steps 6 - 9 above.

To change the time display mode:

① Perform steps 1 - 2 in the section "RESETTING THE MICRO-COMPUTER".

② Perform steps 1 - 9 above.

DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take suffcient care on static electricity of integrated circuits and other circuits when servicing.

CD-K7000W/C7000W

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw .... (A1) x4	9-1
2	Side Panel (Left/right)	1. Screw .... (B1) x8	9-1
3	CD Player Unit/ CD Tray Cover	1. Turn on the power supply, open the disc tray, take out the CD cover, and close. (Note 1) 2. Screw .... (C1) x1 3. Hook .... (C2) x3 4. Hook .... (C3) x2 5. Socket .... (C4) x3	9-2
4	Rear Panel (with Digital Output PWB)	1. Screw .... (D1) x7 2. Socket .... (D2) x1	9-2
5	Main PWB	1. Screw .... (E1) x1 2. Socket .... (E2) x4 (CD-K7000W) 2. Socket .... (E2) x3 (CD-C7000W) 3. Flat Cable .... (E3) x1 4. Tip Wire................. (E4) x1	9-2 10-3, 4 10-3
6	Power Supply PWB	1. Screw .... (F1) x5 2. Socket .... (F2) x3 3. Flat Wire................ (F3) x1 4. PWB Holder .... (F4) x4	10-4
7	Front Panel	1. Screw .... (G1) x3	10-4
8	Volume Mechanism/ Volume Motor	1. Knob .... (H1) x1 2. Screw .... (H2) x4 3. Socket .... (H3) x1 4. Belt .... (H4) x1 5. Screw .... (H5) x2	10-5
9	Karaoke PWB (CD-K7000W Only)	1. Screw .... (J1) x2	10-5
10	Display PWB	1. Screw .... (K1) x11 2. Flat Cable .... (K2) x1	10-6
11	Tape Mechanism	1. Open the cassette holder. 2. Screw..................... (L1) x6	10-6
12	Headphones PWB	1. Screw .... (M1) x1	10-6
13	Turntable	1. Hook .... (N1) x2 2. Cover .... (N2) x1	11-1
14	Disc Tray	1. Turn fully the lock lever in the arrow direction. 2. While holding the lock lever,rotate the cam gear until the cam gear rib engages with the clamp lever. 3. Push the slide holder backward to engage the claw with the groove and remove it in the direction of the arrow. .... (P1) x6	10-1 10-2 11-2
15	CD Servo PWB (Note 2)	1. Screw .... (Q1) x1 2. Hook .... (Q2) x2 3. Socket .... (Q3) x4	11-3
16	CD Mechanism	1. Hook .... (R1) x2 2. Hook .... (R2) x3	11-4
17	Loading Motor PWB	1. Hook .... (S1) x5	11-4

Note 1:

How to open the changer manually. (Fig. 10-1)

1. In this state, turn fully the lock lever in the arrow direction through the hole on the loading chassis bottom.
2. While holding the lock lever, rotate the cam gear anticlockwise until the cam gear rib engages with the clamp lever. (Fig. 10-2)
3. After that, push forward the CD slide holder.

Note 2:

1. After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

Note 3:

1. Be careful not to break the claw of the CD mechanism.
2. When fining back the cam gear assembly, let it lock by front movement.

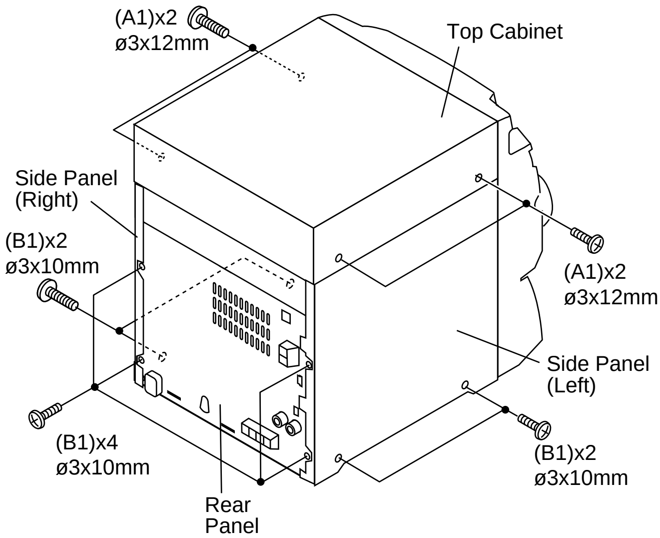


Figure 9-1

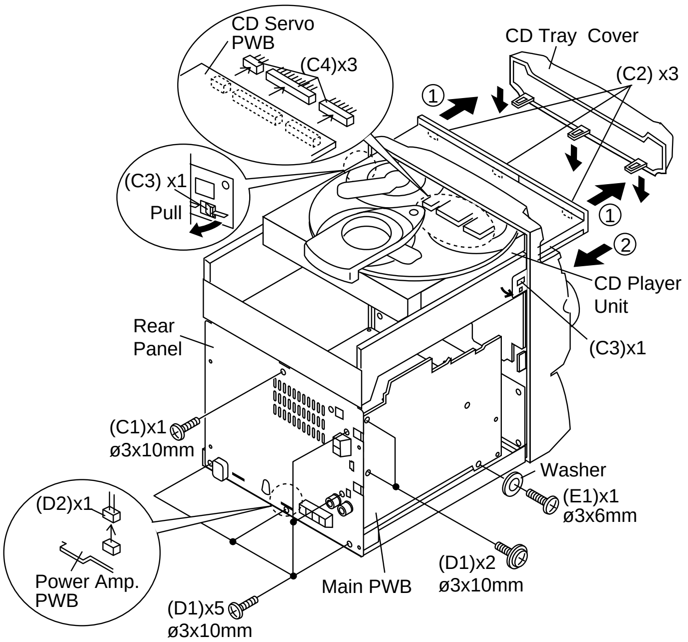


Figure 9-2

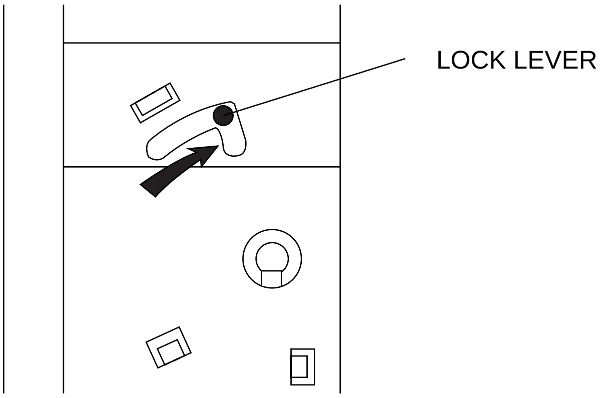


Figure 10-1

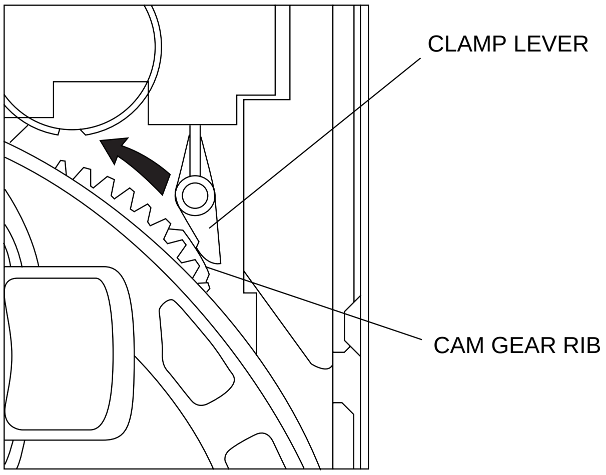


Figure 10-2

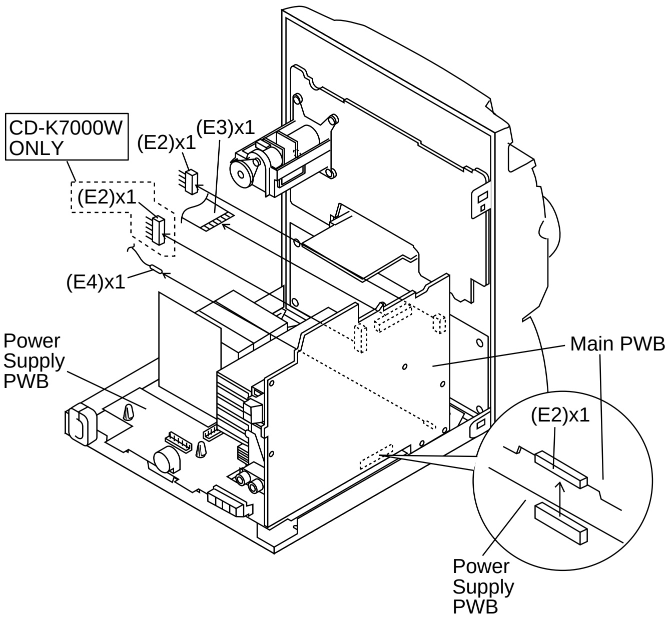


Figure 10-3

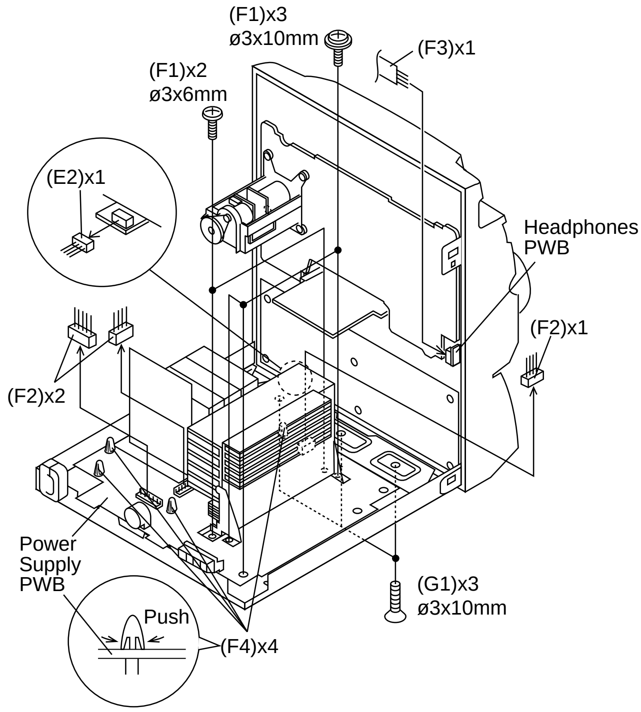


Figure 10-4

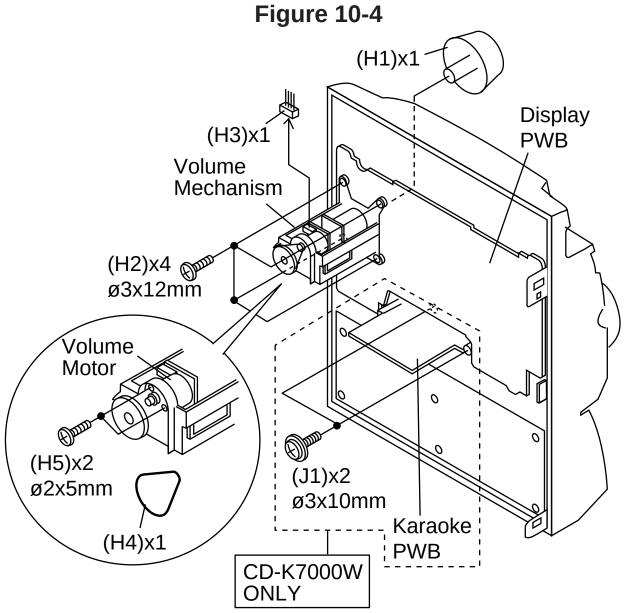


Figure 10-5

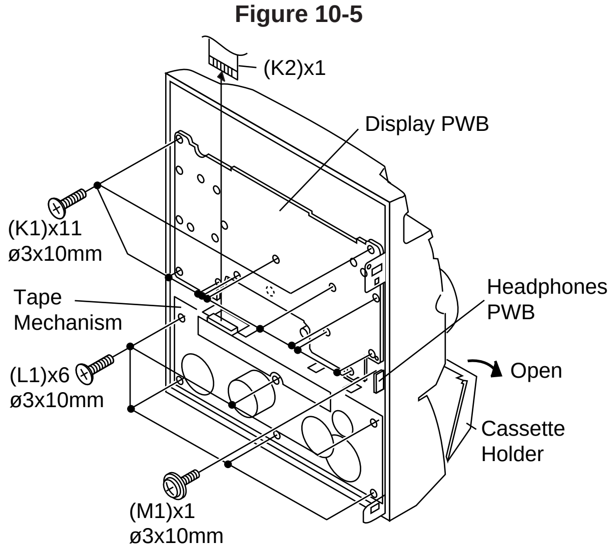


Figure 10-6

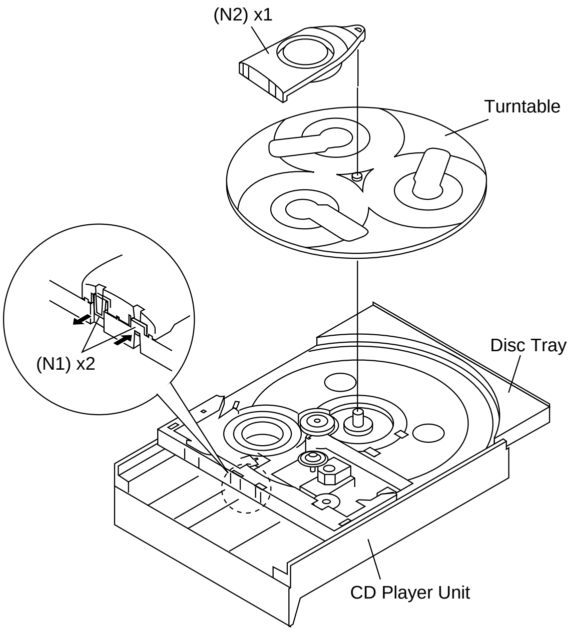


Figure 11-1

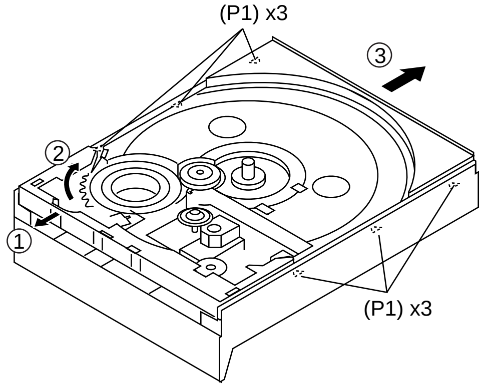


Figure 11-2

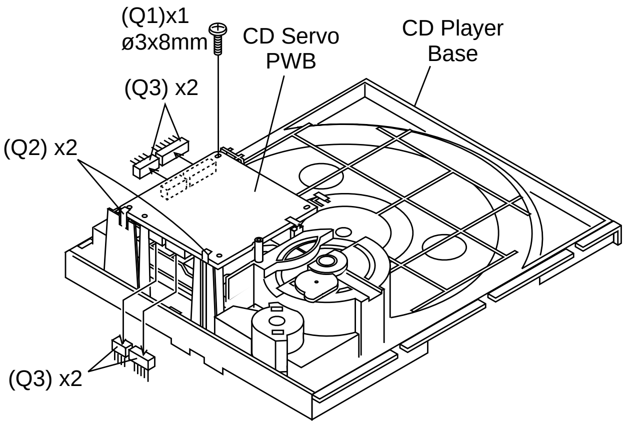


Figure 11-3

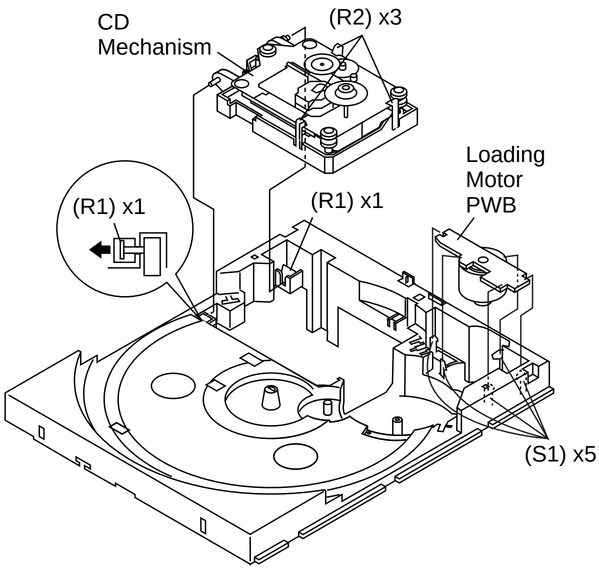


Figure 11-4

CP-C7000			
STEP	REMOVAL	PROCEDURE	FIGURE
1	Woofer	1. Front Panel .... (A1) x1 2. Screw .... (A2) x8	11-5 11-6
2	Tweeter	1. Front Panel .... (B1) x1 2. Screw .... (B2) x4	12-1 12-2
3	Mid Range	1. Screw .... (C1) x4	12-2
4	Super Tweeter	1. Screw .... (D1) x2	12-2

Caution:
The metallic handles on the both sides of the speaker grill on the main speaker are decorations.
Do not carry the speakers by them as this may damage the speakers.

CP-C7000

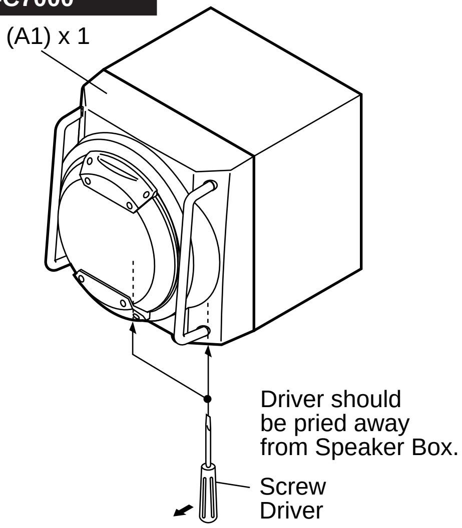


Figure 11-5

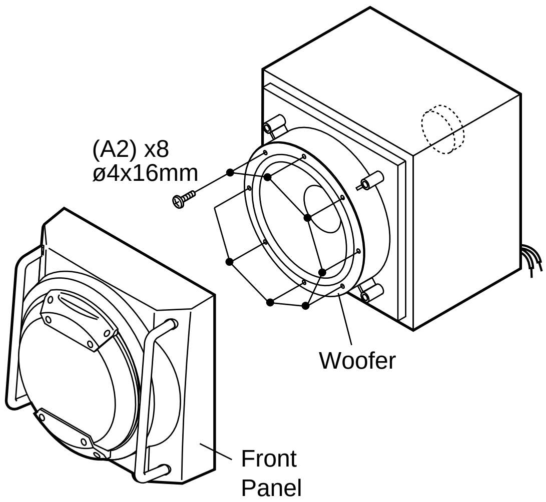


Figure 11-6

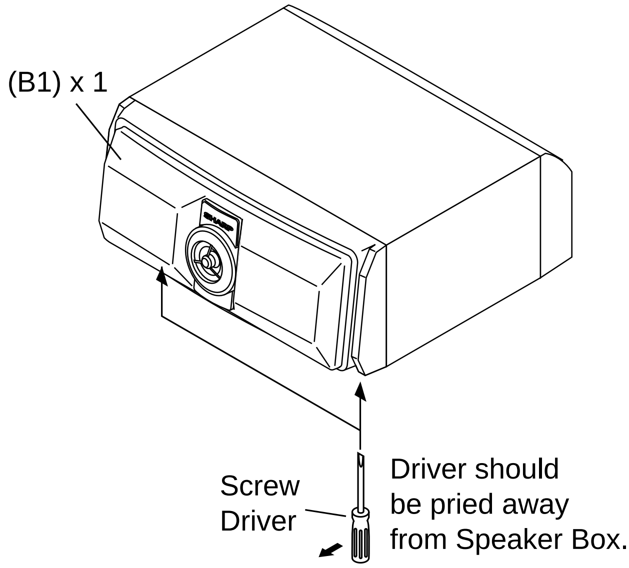


Figure 12-1

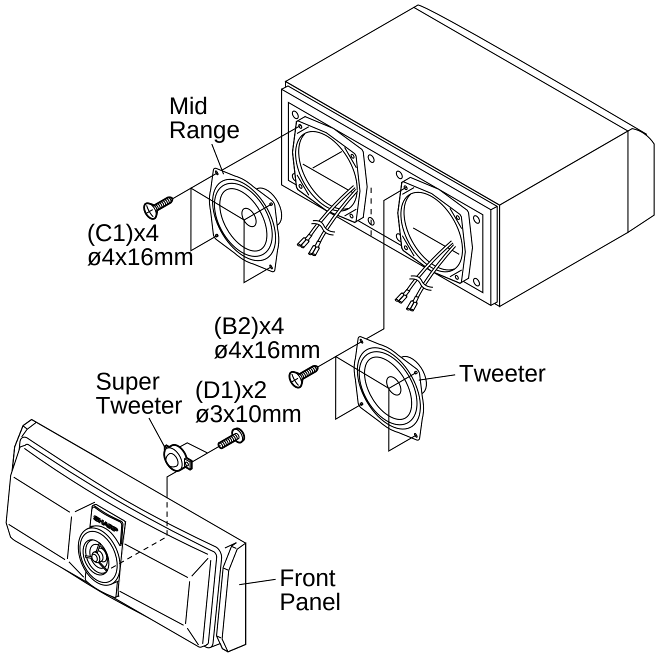


Figure 12-2

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 7 and 11 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (TAPE 2) (See Fig. 12-3)

1. When you remove the screw (A1) x 2 pcs., the recording/ playback head and three-dimensional head of the erasing head can be removesd.

How to remove the playback head (TAPE 1) (See Fig. 12-4)

1. When you remove the screw (B1) x 2 pcs., the playback head.

How to remove the pinch roller (TAPE 1/2) (See Fig. 12-5)

1. Carefully push the inside claw to remove it. The pinch roller pawl in the direction of the arrow **<A>**, and remove the pinch roller (C1) upwards.

Note:

When installing the pinch roller, pay attention to the spring mounting position.

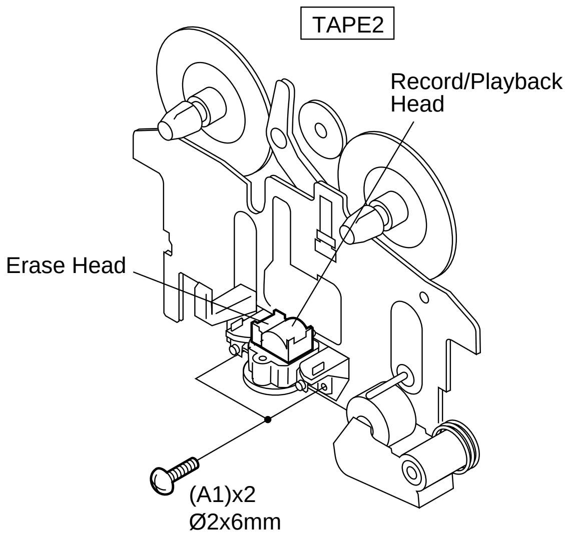


Figure 12-3

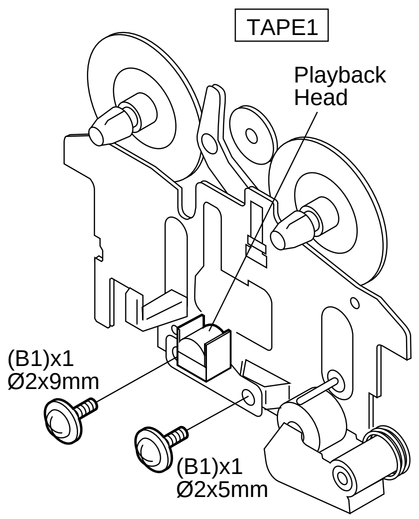


Figure 12-4

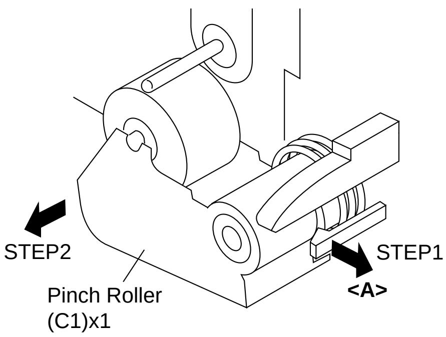


Figure 12-5

How to remove the belt (TAPE 1) (See Fig. 13-1)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

How to remove the belt (TAPE 2) (See Fig. 13-1)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

How to remove the motor (See Fig. 13-2)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

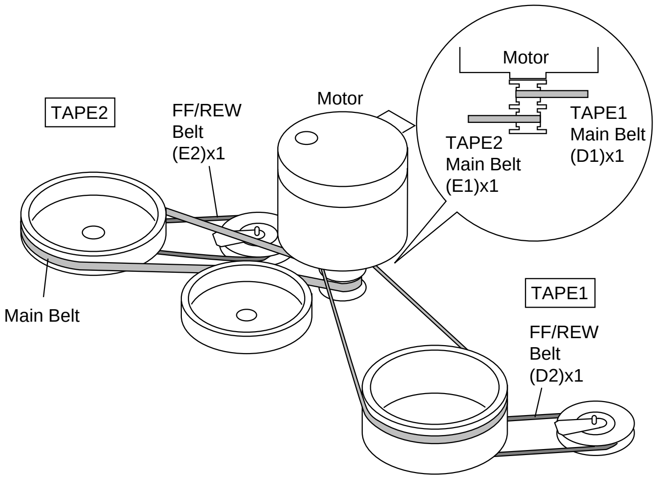


Figure 13-1

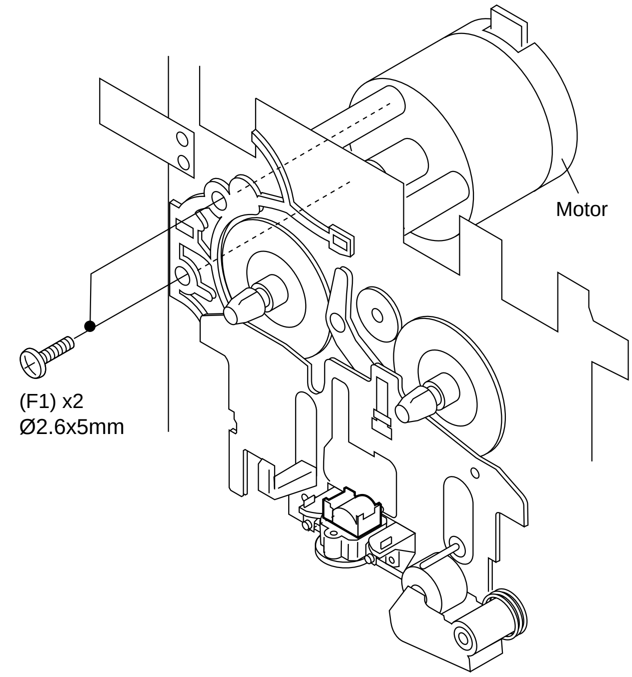


Figure 13-2

CD MECHANISM SECTION

Perform steps 1, 2, 3, 13 and 16 of the disassembly method to remove the CD mechanism.

How to remove the loading motor (See Fig. 13-3)

1. Bend the hooks (A1) x 5 pcs., to remove the loading motor.

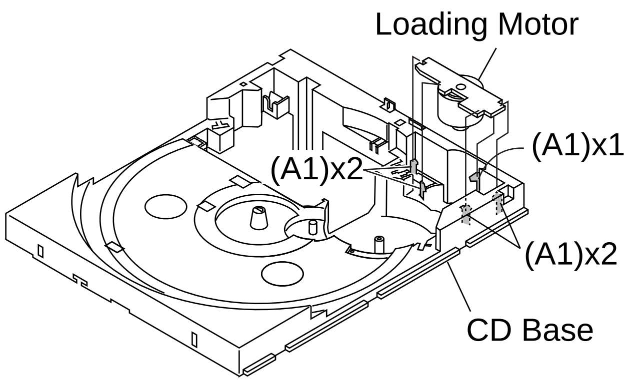


Figure 13-3

How to remove the pickup (See Fig. 13-4)

1. Remove the stop washer (B1) x 1 pc., to remove the gear (B2).
2. Remove the screws (B3) x 2 pcs., to remove the shaft (B4).
3. Remove the pickup.

Note
After removing the connector for the optical pickup from the connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

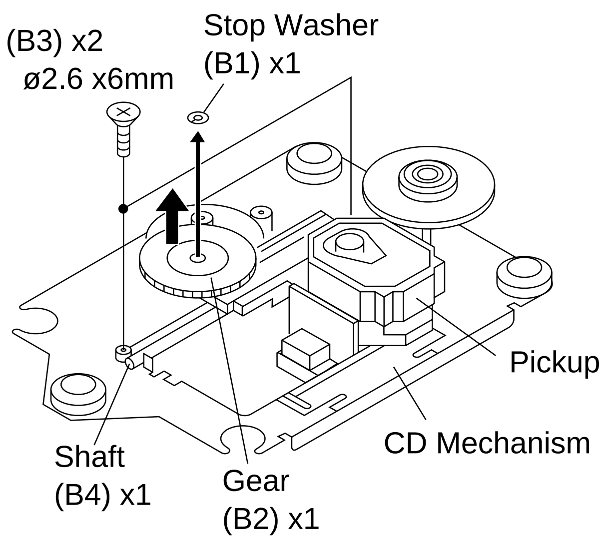


Figure 13-4

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g. cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
Rewind: TW-2231	—	70 to 180 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor. (MM1)	3,000 ± 30 Hz	Speaker terminal (Load resistance: 6 ohms)

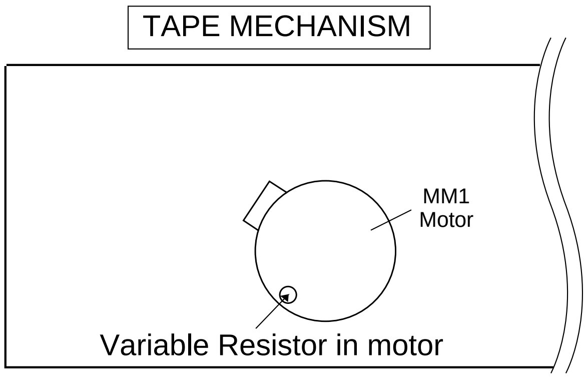


Figure 14-1

TUNER SECTION

fL: Low-range frequency
fH: High-renge frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	—	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna, Output: TP302
*2. Input: Antenna, Output: TP301

• FM RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Serring/ Adjusting Point	Instrument Connection
FM Band Coverage	—	88.00 MHz	T301(fL): 1.3 V ± 50 mV	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna, Output: TP301
*2. Input: Antenna, Output: Speaker terminal

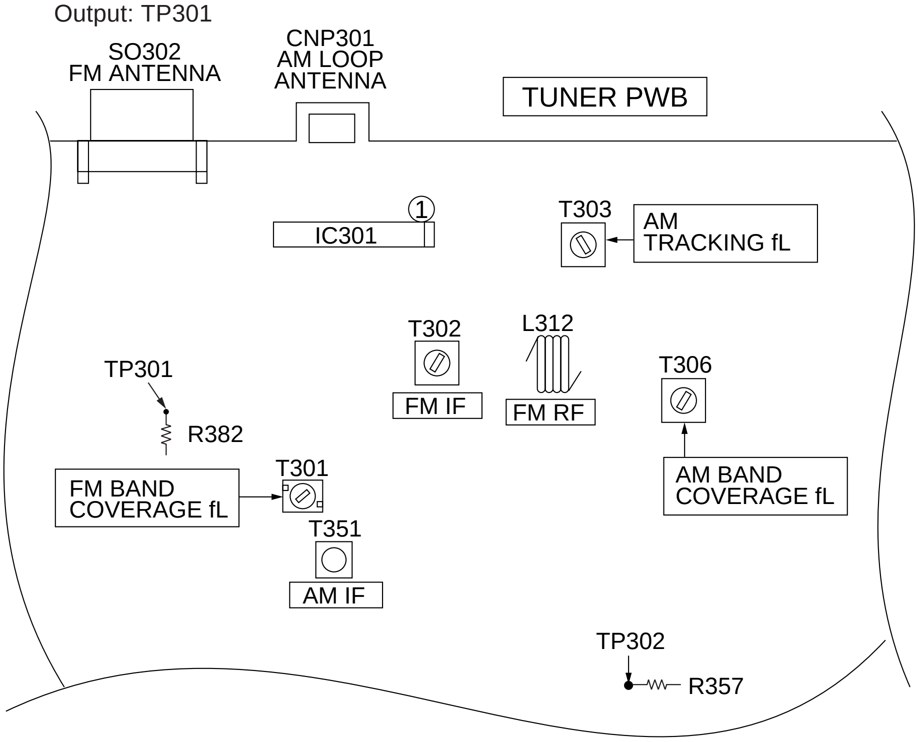


Figure 14-2 ADJUSTMENT POINT

CD SECTION

- **Adjustment**

  Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

  Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

(1) Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
  * Focus offset adjustment
  * Tracking offset adjustment

(2) Tracking balance adjustment (waveform drawing 15 EFBL)

(3) Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0dB.)
  * Focus gain adjustment
  * Tracking gain adjustment

CD ERROR CODE DESCRIPTION

Error	State Code
	[Servo System Error]
0001	Cannot detect Pickup-in SW
0002	DSP access error
	[Error during close operation]
0101	Open/Close SW not functioning (Low → High)
0103	Open/Close SW not functioning (High → Low)
	[Error during open operation]
0201	Open/Close SW not functioning (Low → High)
0203	Open/Close SW not functioning (High → Low)
	[Error during skip operation]
0302	Pickup-in SW is not detected
0306	During Disc 1 search, Open/Close SW or Clamp SW or Disc SW do not change to low.
0307	Clamp SW not function (Low → High)
0308	Clamp SW not function (High → Low)

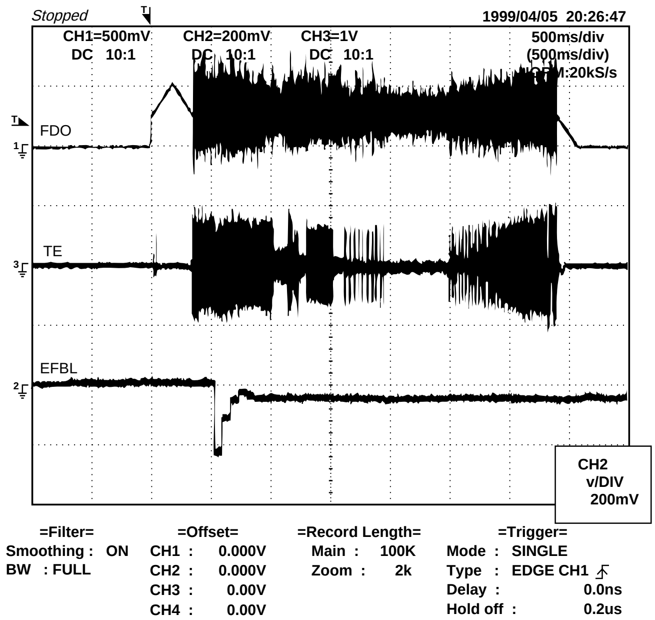


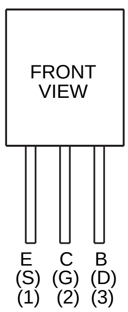
Figure 15

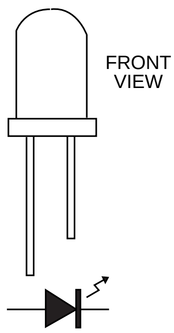
NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     ( ) indicates AM
     < > indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ ” ([ ]) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW1	OPEN/CLOSE	ON—OFF
SW2	CLAMP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW701	ON/STAD-BY	ON—OFF
SW702	CLOCK	ON—OFF
SW703	TIMER/SLEEP	ON—OFF
SW709	DISC 1	ON—OFF
SW710	DISC 2	ON—OFF
SW711	DISC 3	ON—OFF
SW712	DISC SKIP	ON—OFF
SW713	OPEN/CLOSE	ON—OFF
SW714	DIMMER	ON—OFF
SW715	X-BASS/MEMO	ON—OFF
SW716	EQUALIZER	ON—OFF
SW717	SURROUND	ON—OFF
SW718	REV MODE	ON—OFF
SW719	CD	ON—OFF
SW723	TAPE	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW724	TUNING DOWN	ON—OFF
SW725	MEMORY/SET	ON—OFF
SW726	TRACK DOWN/REVIEW/ PRESET DOWN/REWIND	ON—OFF
SW727	TRACK UP/CUE/PRESET UP/ FAST FORWARD	ON—OFF
SW728	PLAY	ON—OFF
SW729	STOP	ON—OFF
SW730	REVERSE PLAY	ON—OFF
SW731	REC PAUSE	ON—OFF
SW732	TUNING/TIME UP	ON—OFF
SW733	VIDEO/AUX	ON—OFF
SW734	TUNER (BAND)	ON—OFF
SW801	VOLTAGE SELECTOR	230-240—220 —127—110
SWM1	T1 PLAY	ON—OFF
SWM2	T2 PLAY	ON—OFF
SWM3	F.PLAY	ON—OFF
SWM4	R.PLAY	ON—OFF





2SA1015 GR
2SC1845 F
2SC3203 Y
2SK246 GR
KTA1266 GR
KTA1271 Y
KTA1273 Y
KTA1274 Y
KTC2026
KTC3203 Y
KTC3194 Y
KTC3199 GR
KRA107 M
KRC102 M
KRC104 M
KRC107 M

4204SRT7
4204UGT7
4204UYT7

Figure 16 TYPES OF TRANSISTOR AND LED

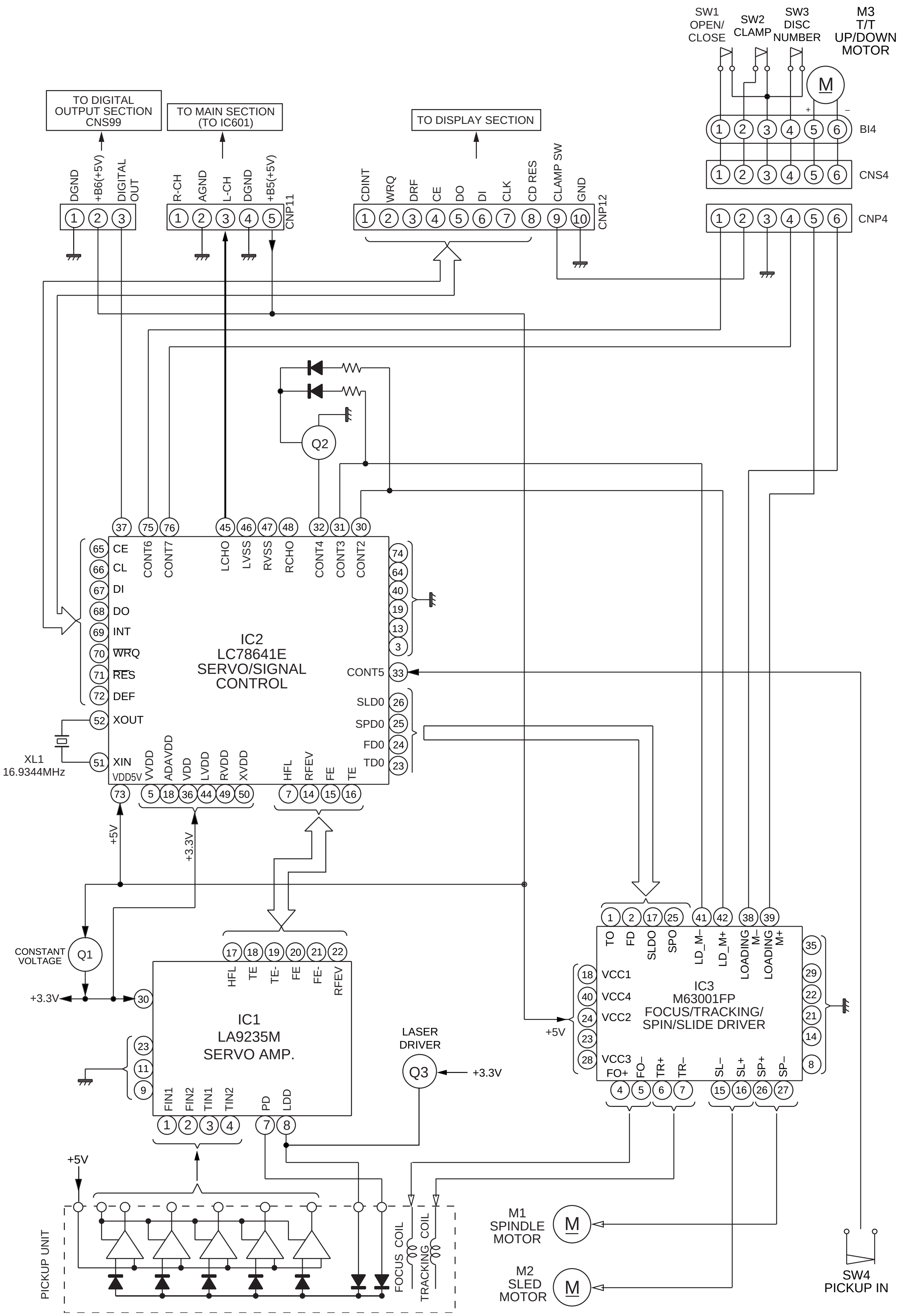


Figure 17 BLOCK DIAGRAM (1/4)

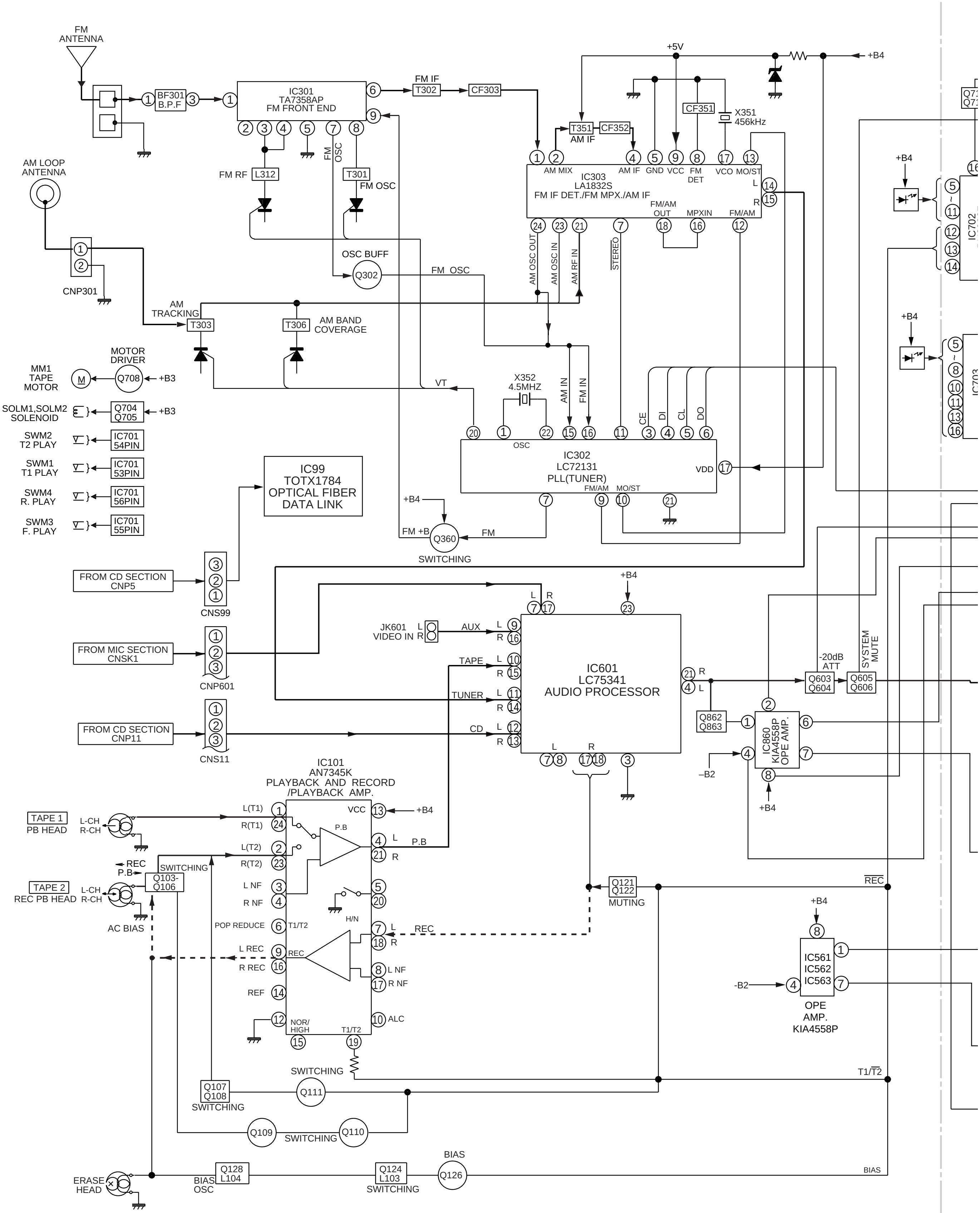


Figure 18 BLOCK DIAGRAM (2/4)

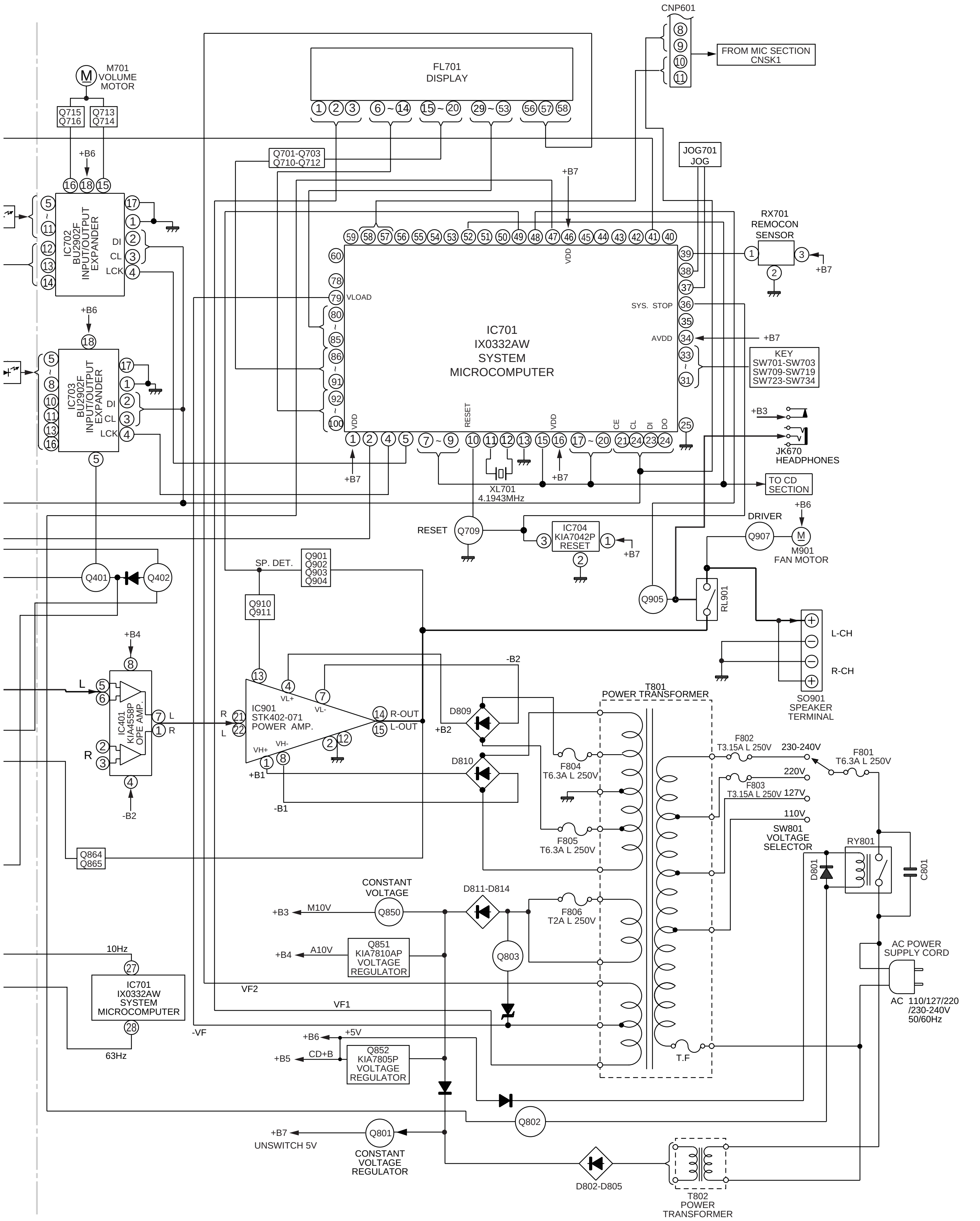


Figure 19 BLOCK DIAGRAM (3/4)

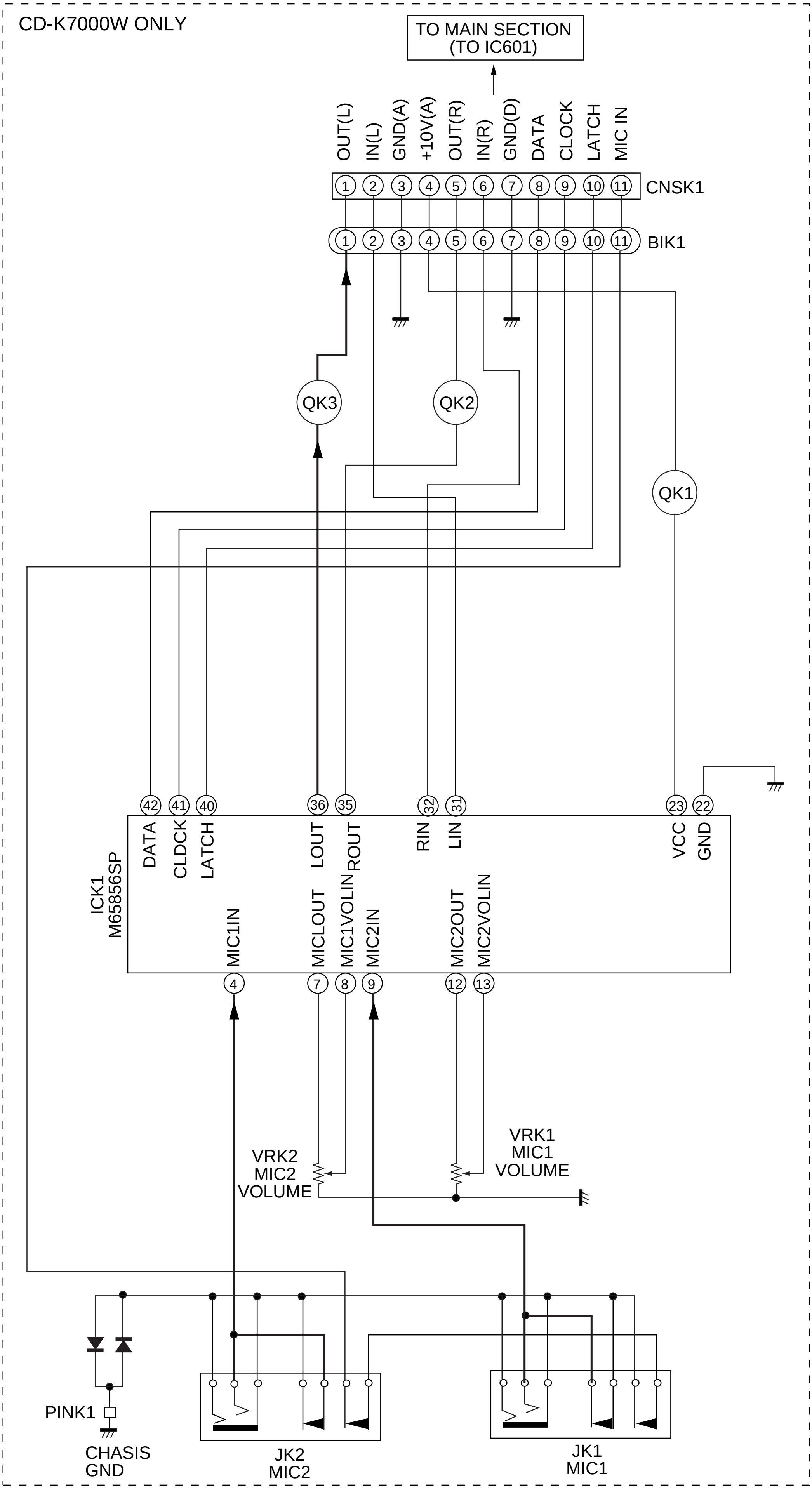
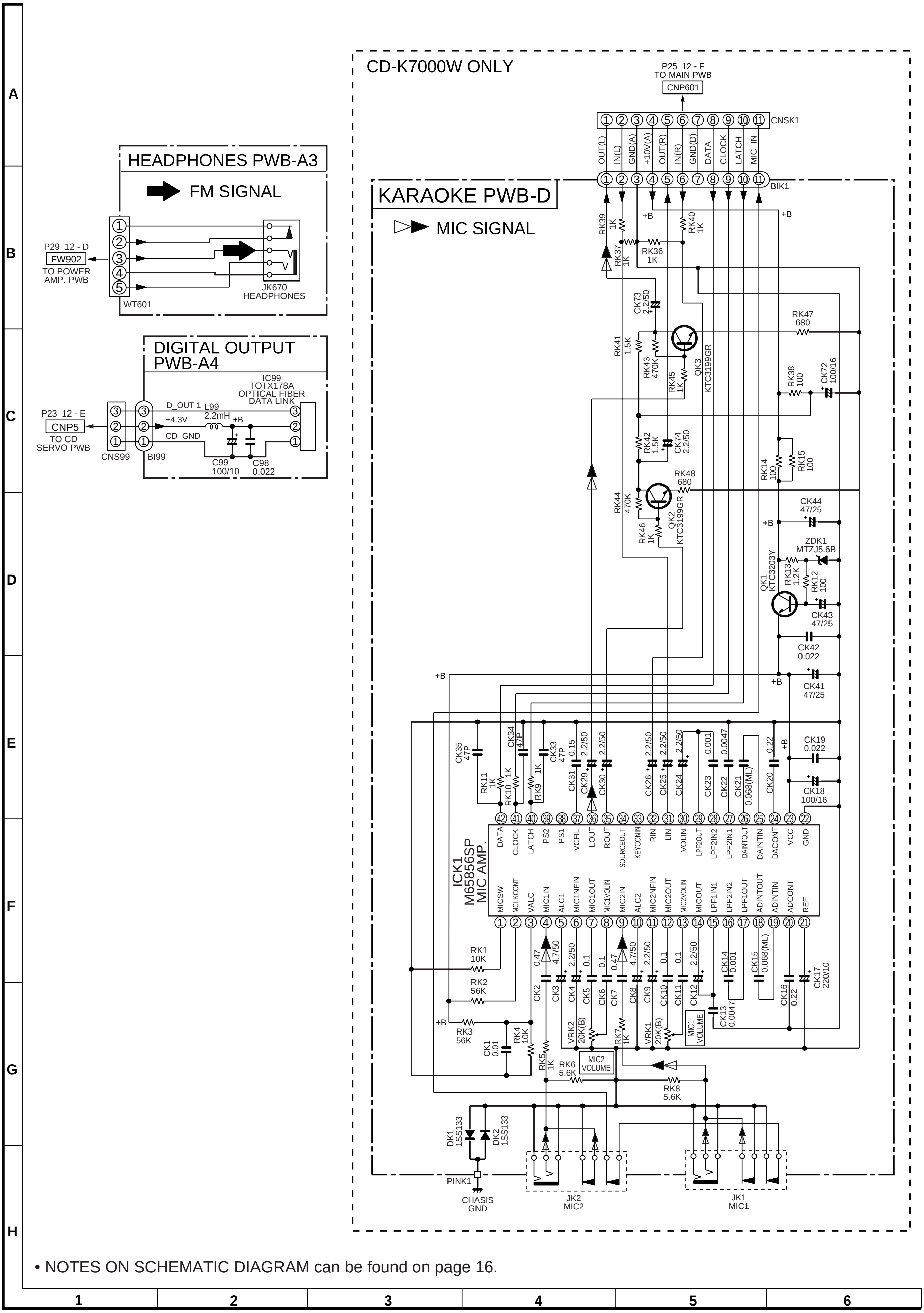
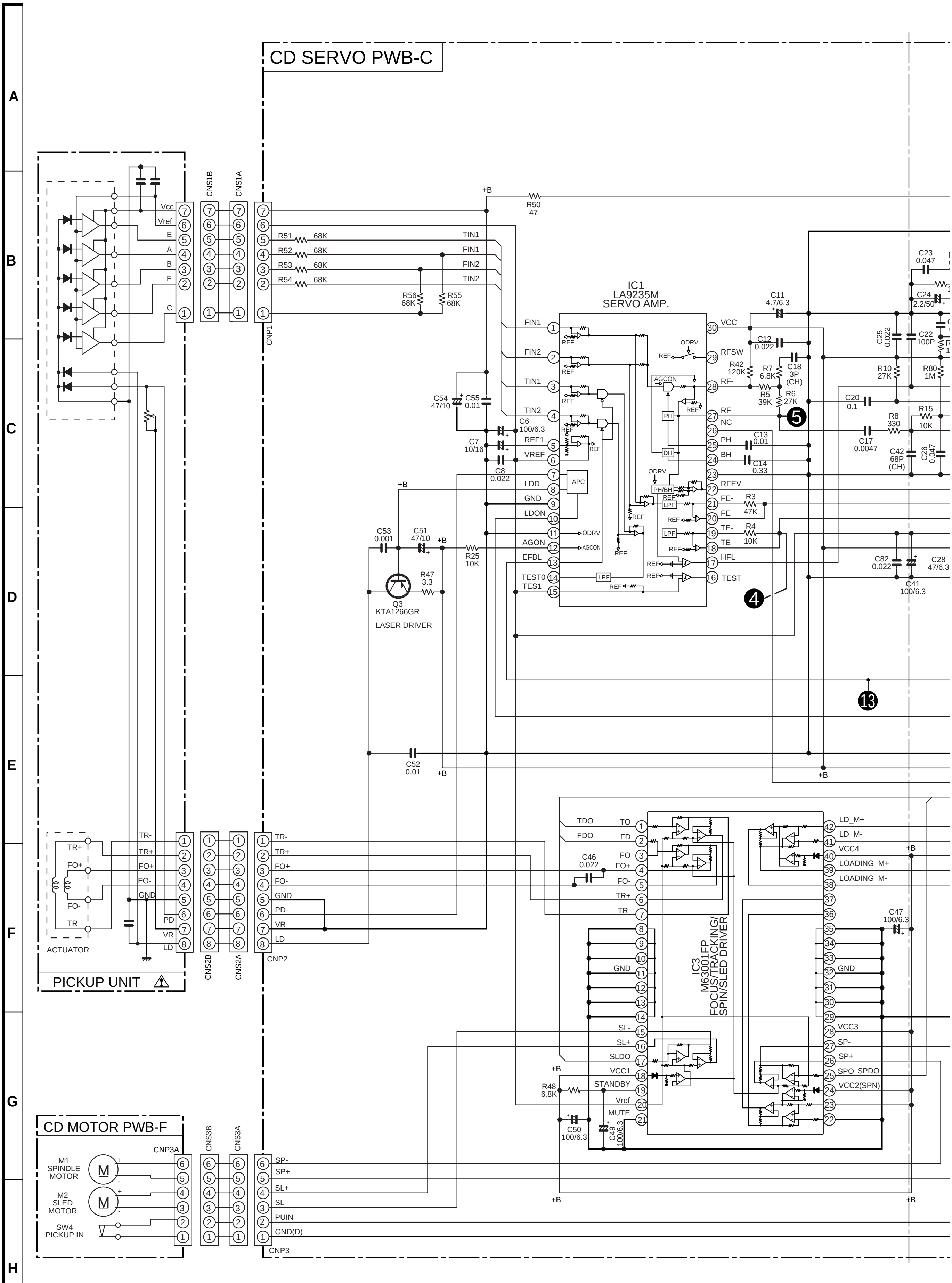


Figure 20 BLOCK DIAGRAM (4/4)



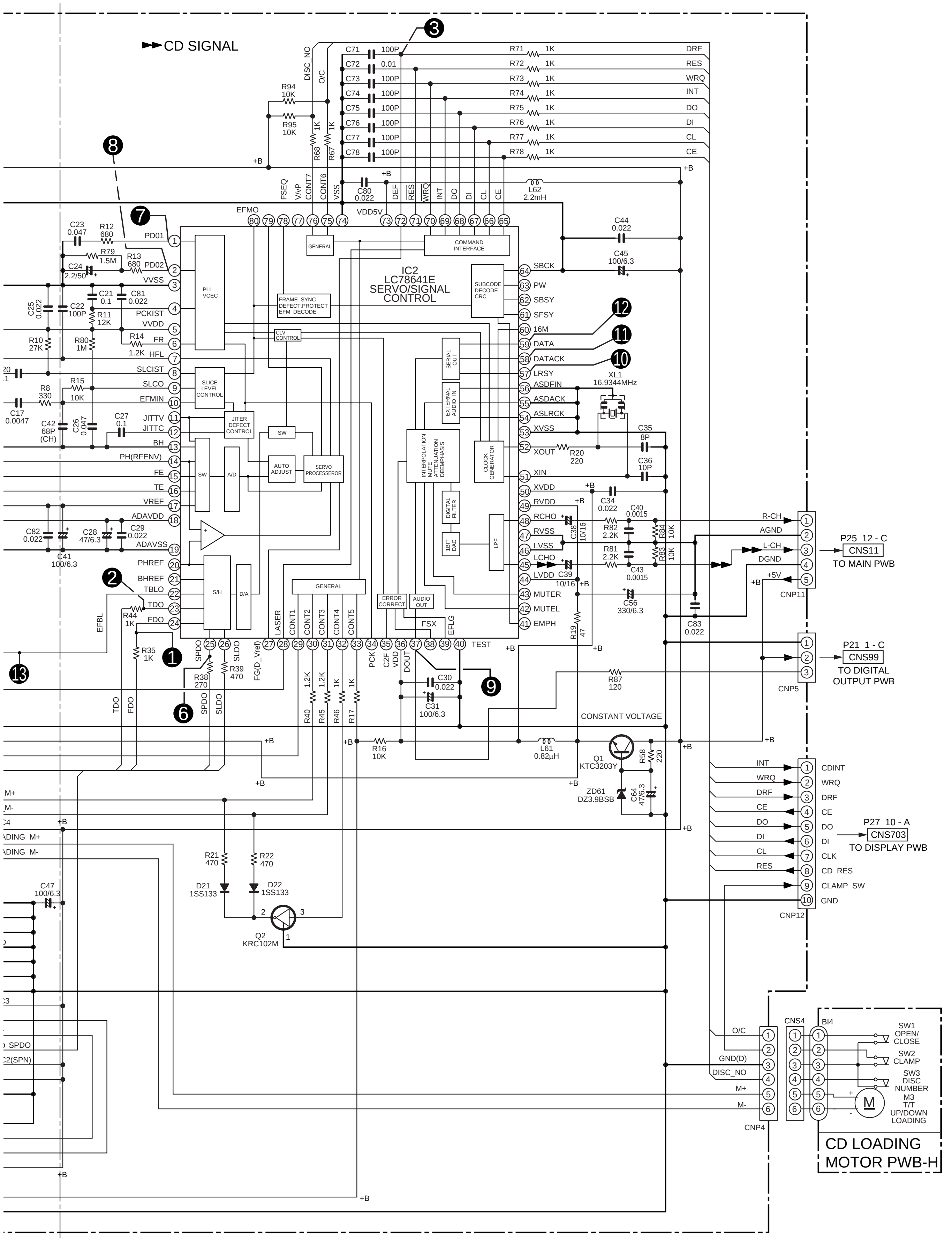
• NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 21 SCHEMATIC DIAGRAM (1/11)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

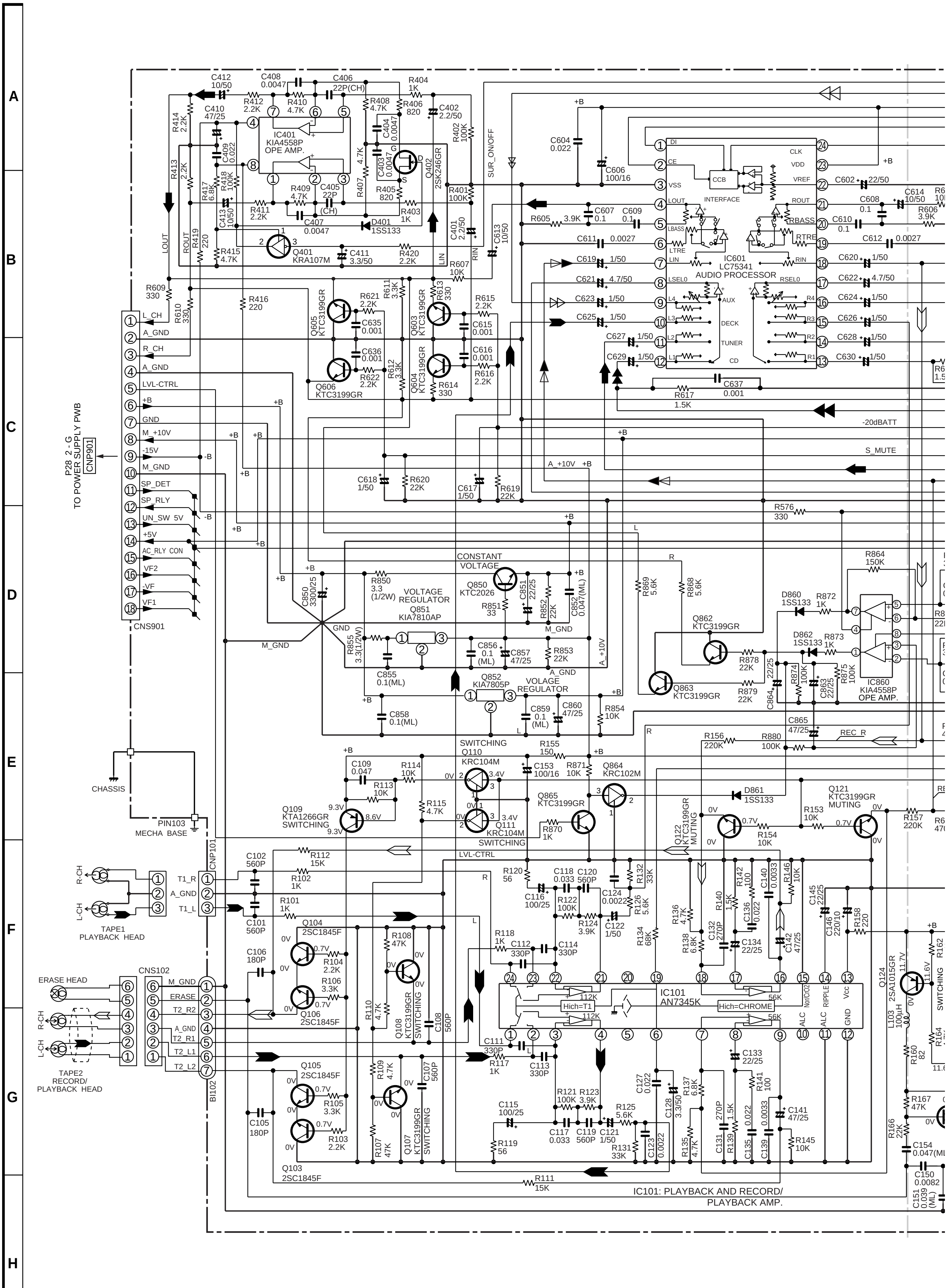
Figure 22 SCHEMATIC DIAGRAM (2/11)



• The numbers ❶ to ⓭ are waveform numbers shown in page 41.

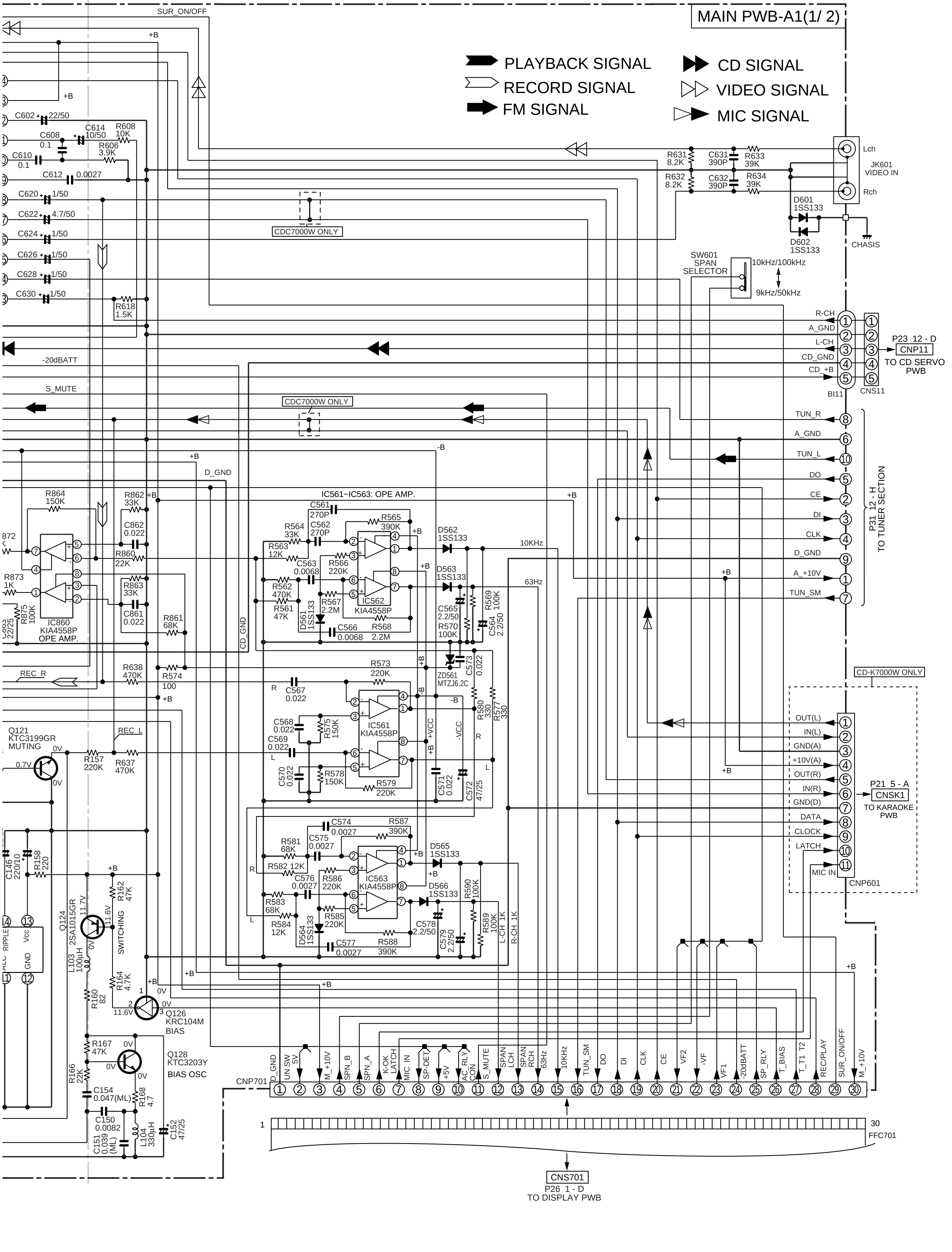
7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (3/11)



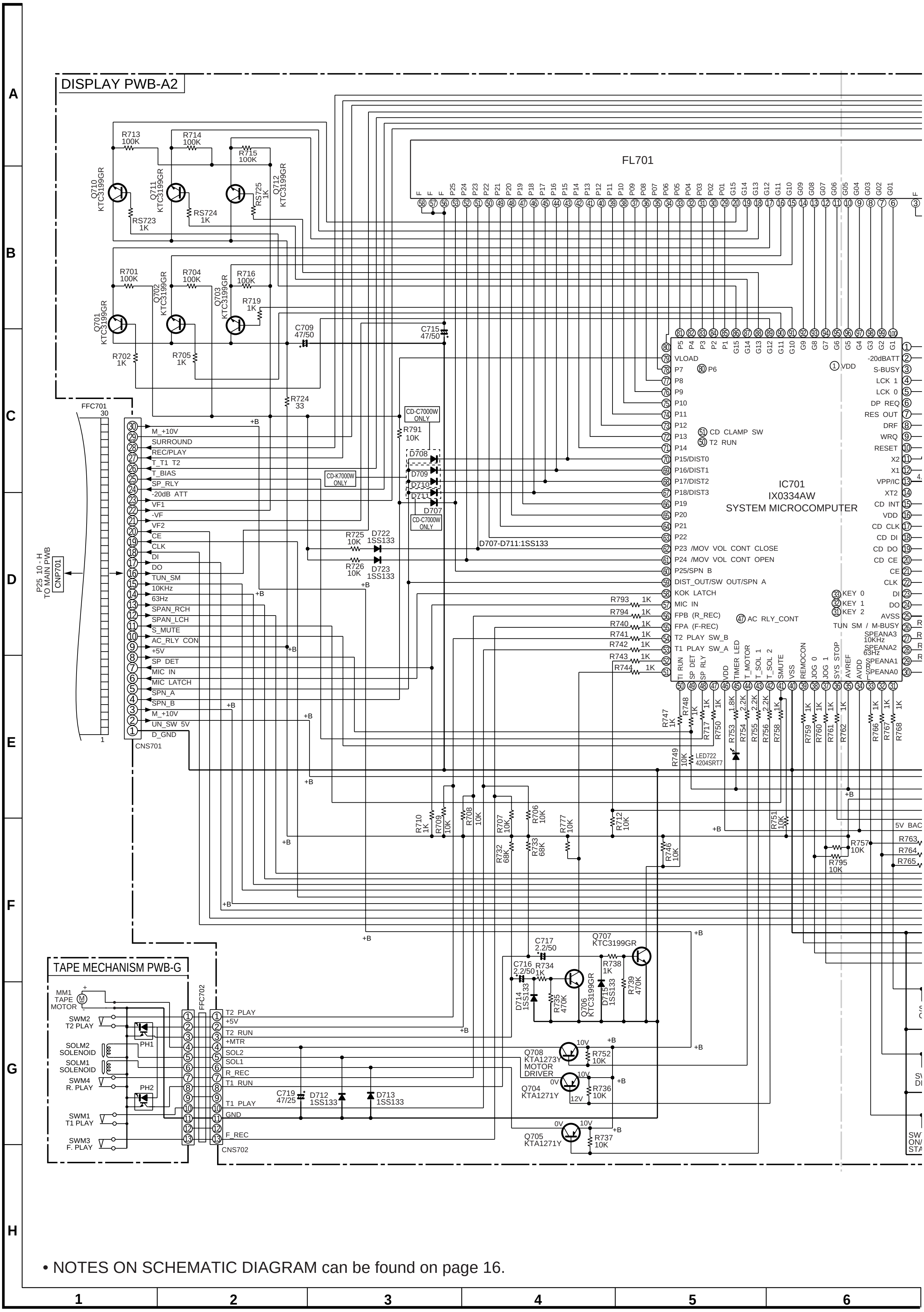
• NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 24 SCHEMATIC DIAGRAM (4/11)



7	8	9	10	11	12

Figure 25 SCHEMATIC DIAGRAM (5/11)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 26 SCHEMATIC DIAGRAM (6/11)

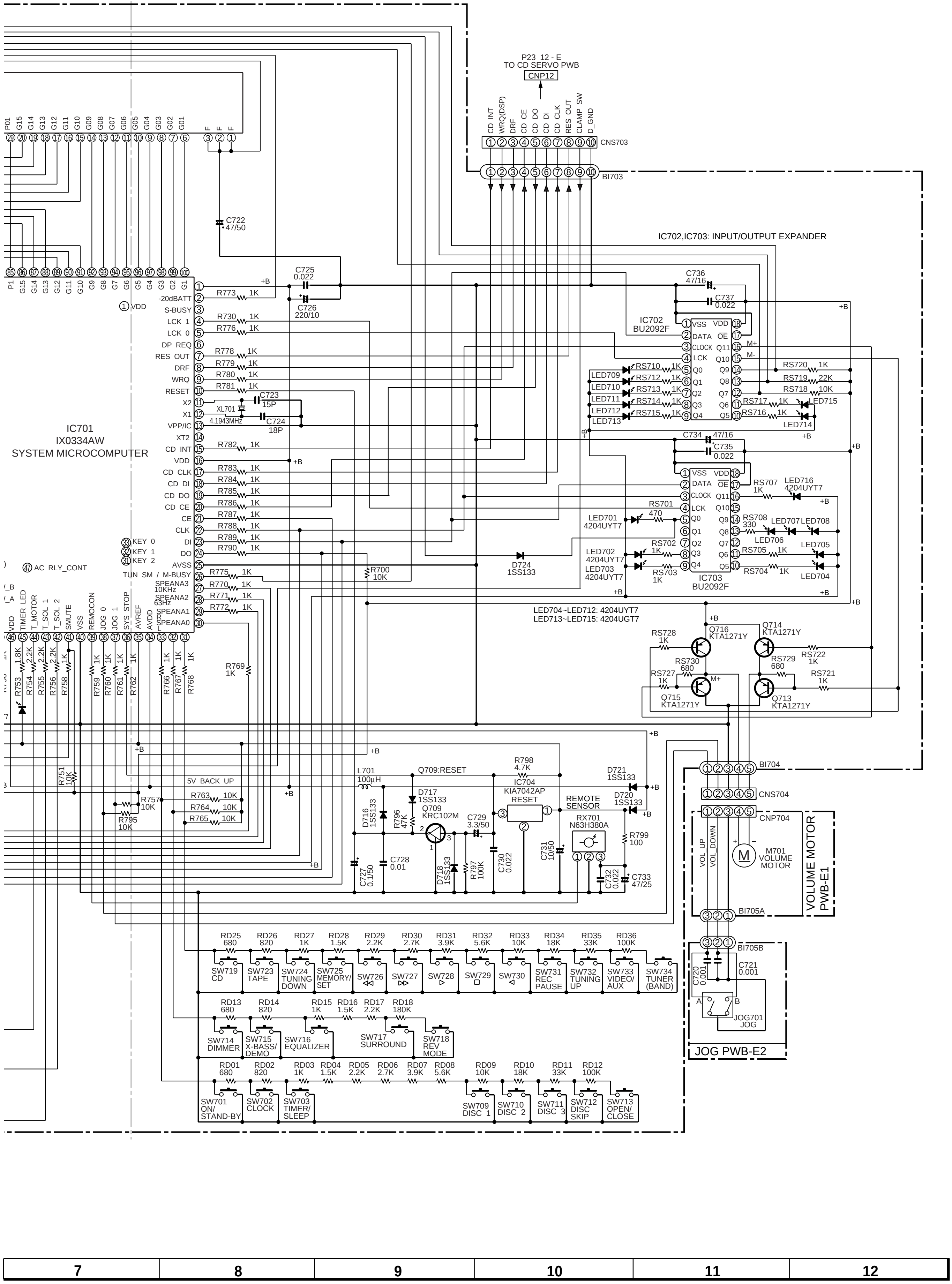
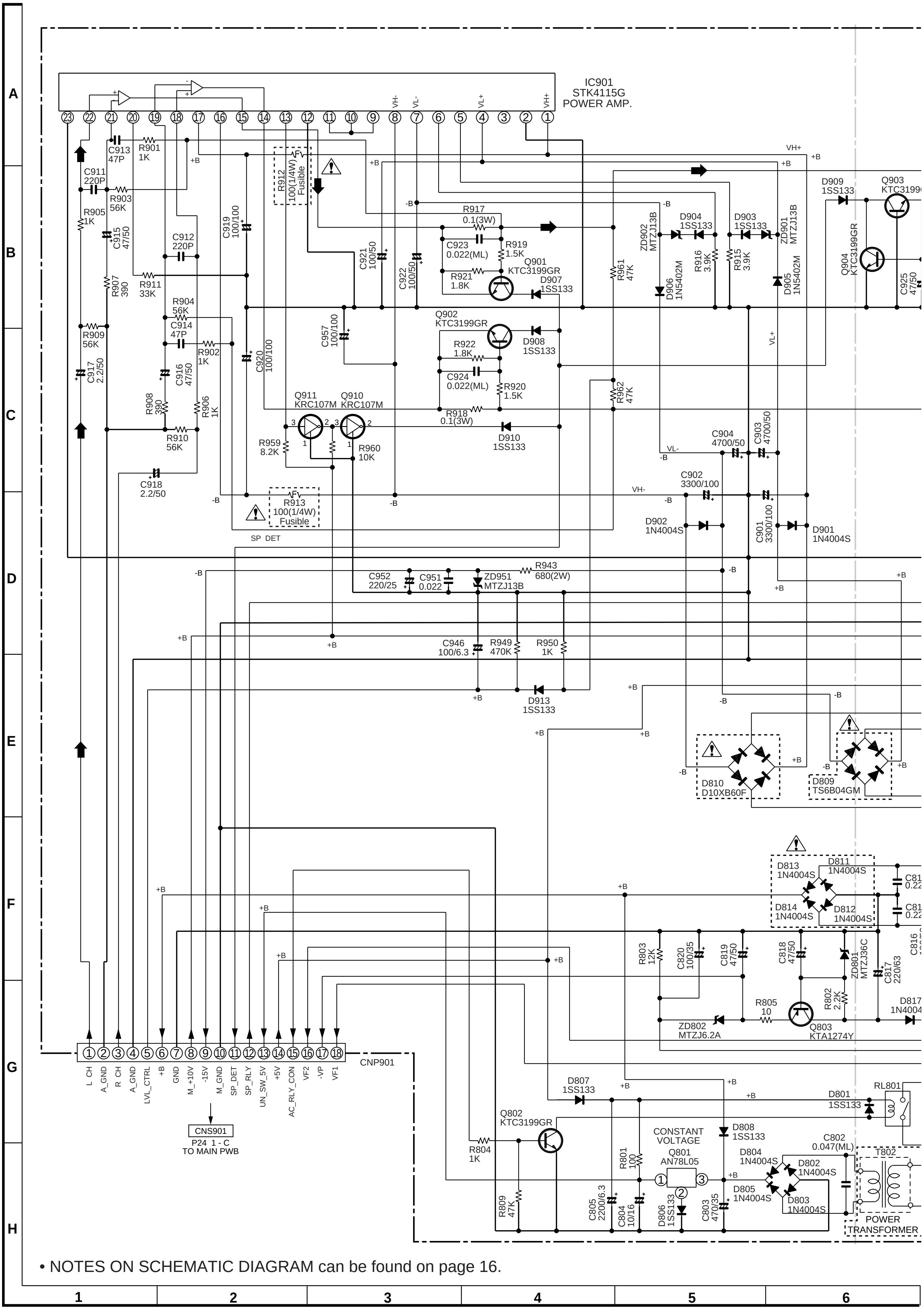


Figure 27 SCHEMATIC DIAGRAM (7/11)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 28 SCHEMATIC DIAGRAM (8/11)

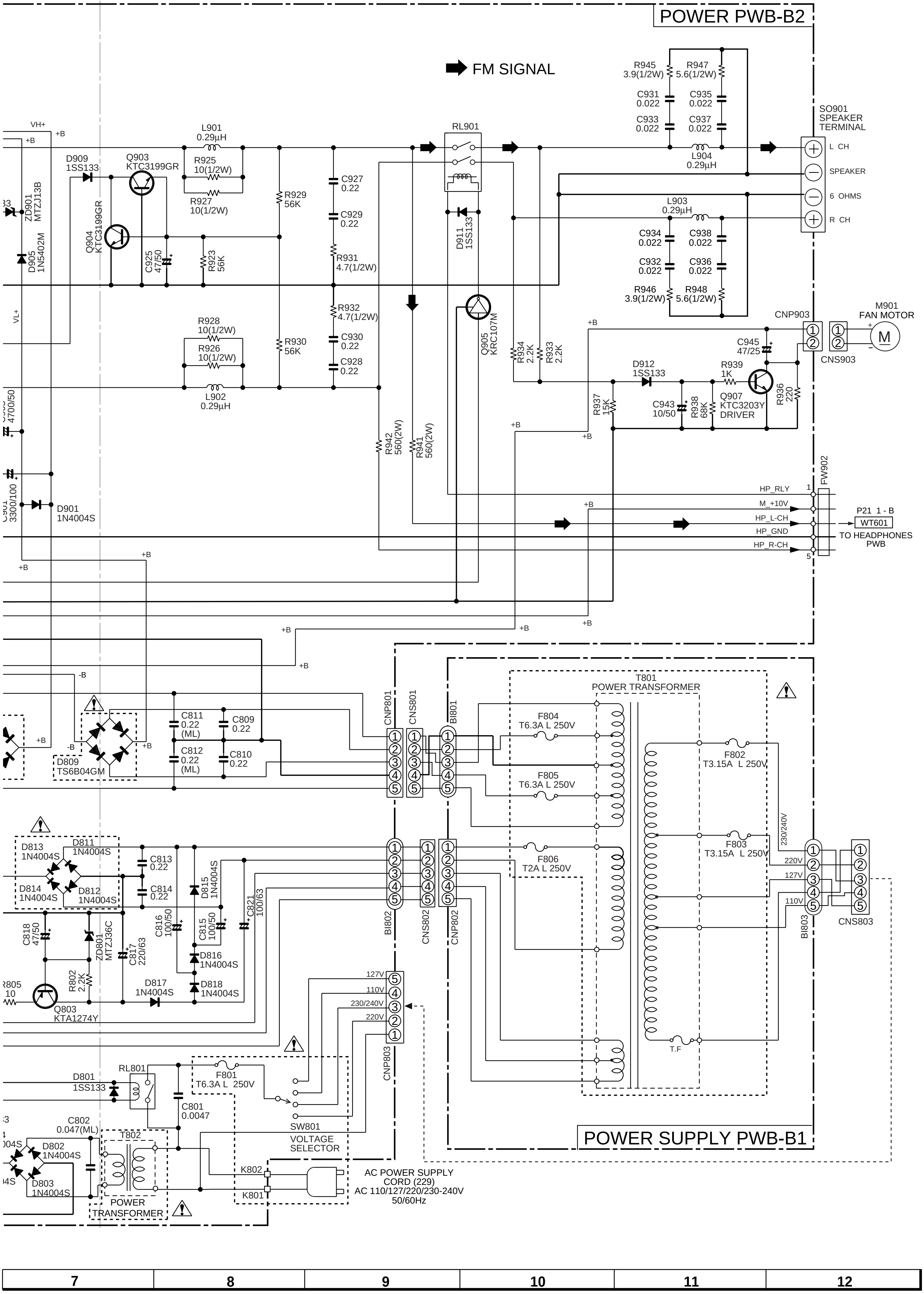
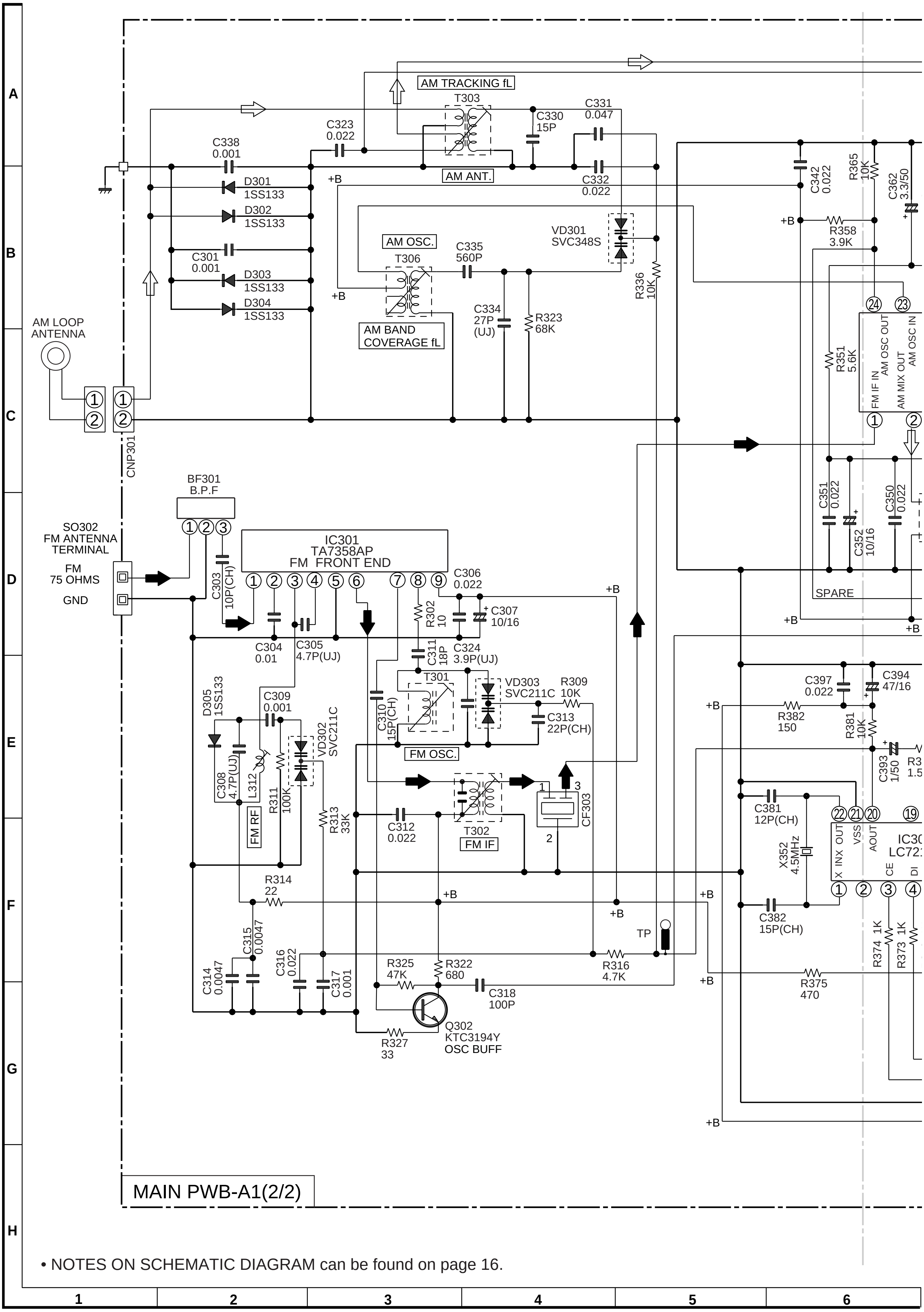
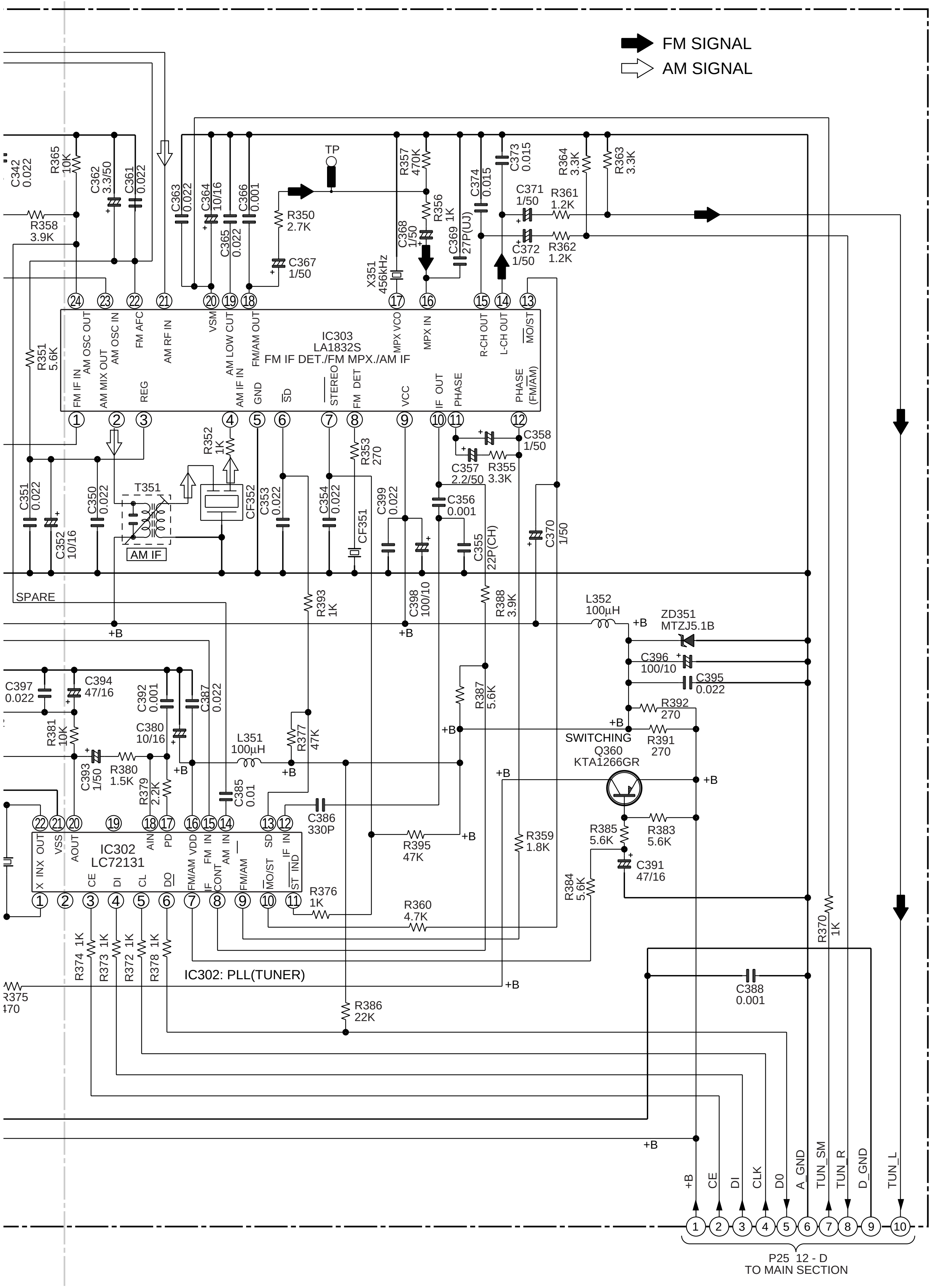


Figure 29 SCHEMATIC DIAGRAM (9/11)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 16.

Figure 30 SCHEMATIC DIAGRAM (10/11)



7	8	9	10	11	12

Figure 31 SCHEMATIC DIAGRAM (11/11)

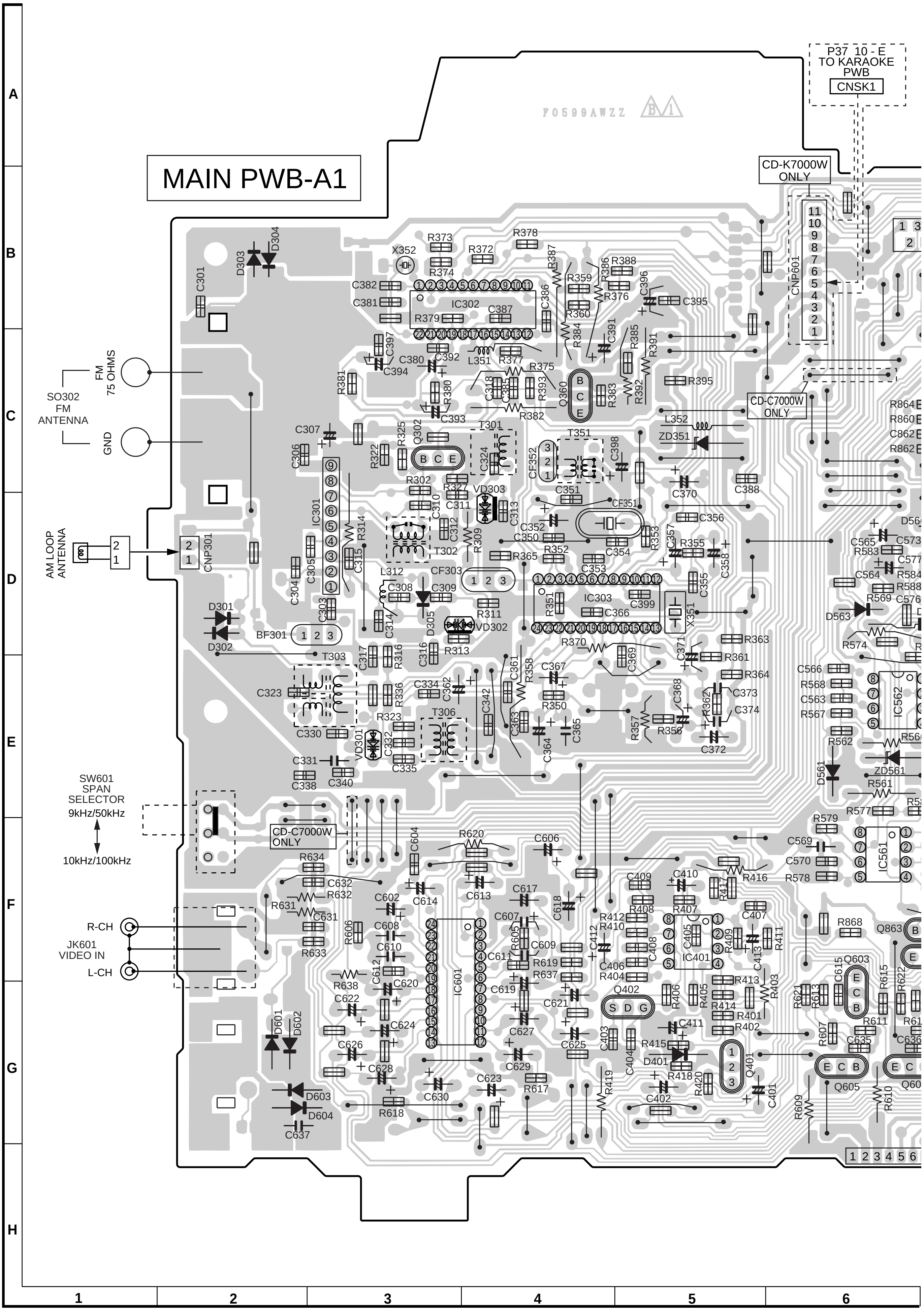
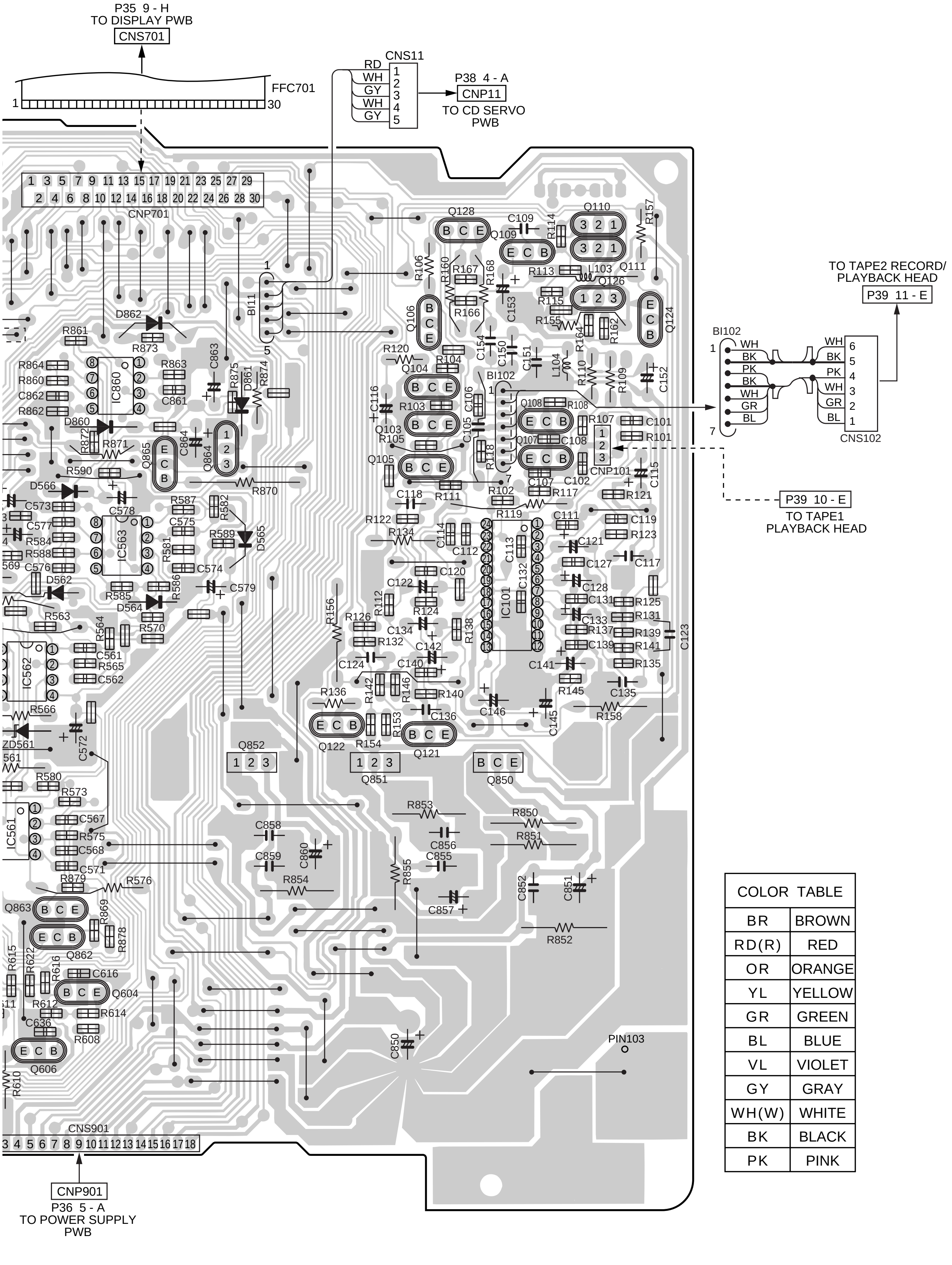


Figure 32 WIRING SIDE OF P.W.BOARD (1/8)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

7	8	9	10	11	12

Figure 33 WIRING SIDE OF P.W.BOARD (2/8)

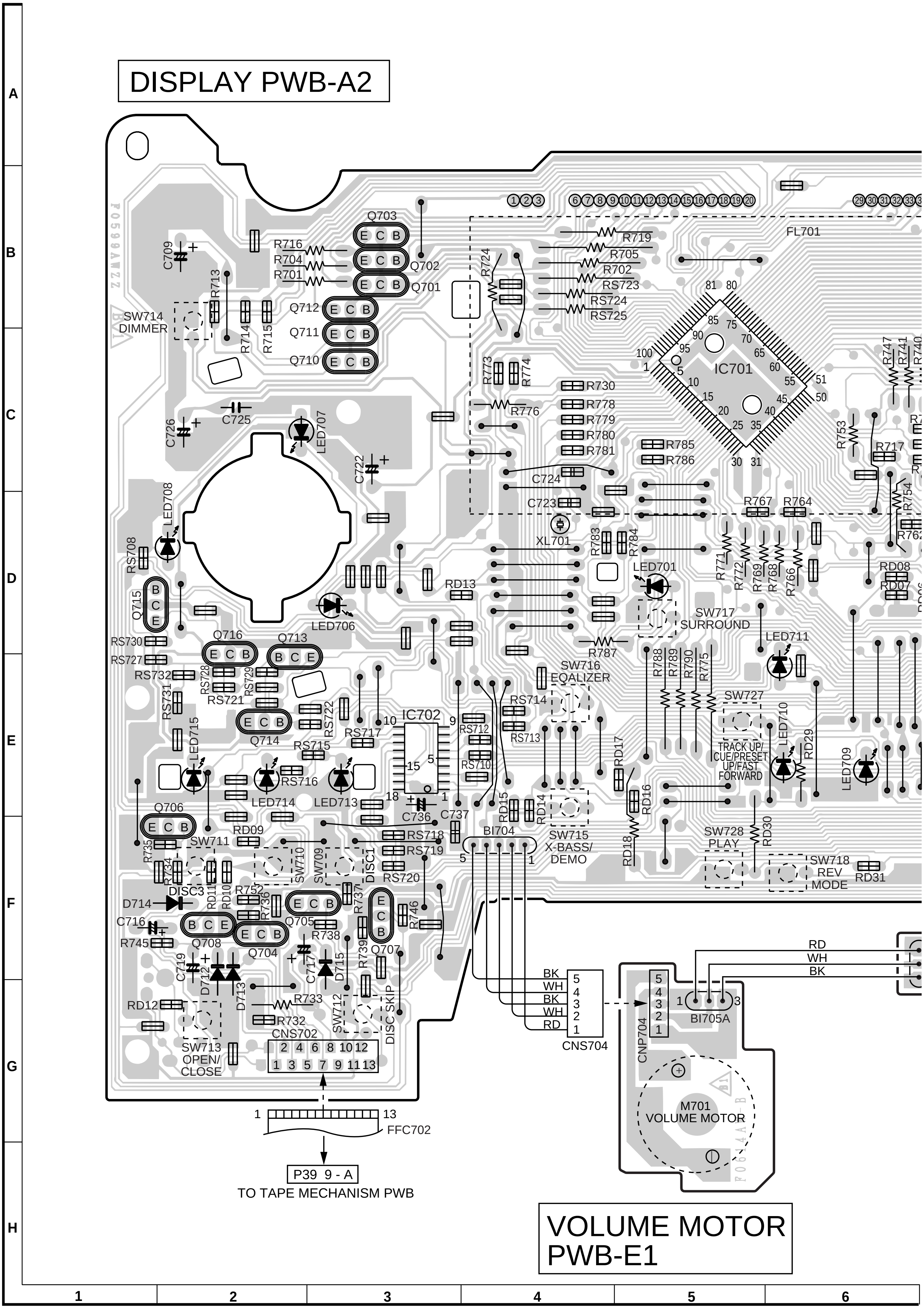
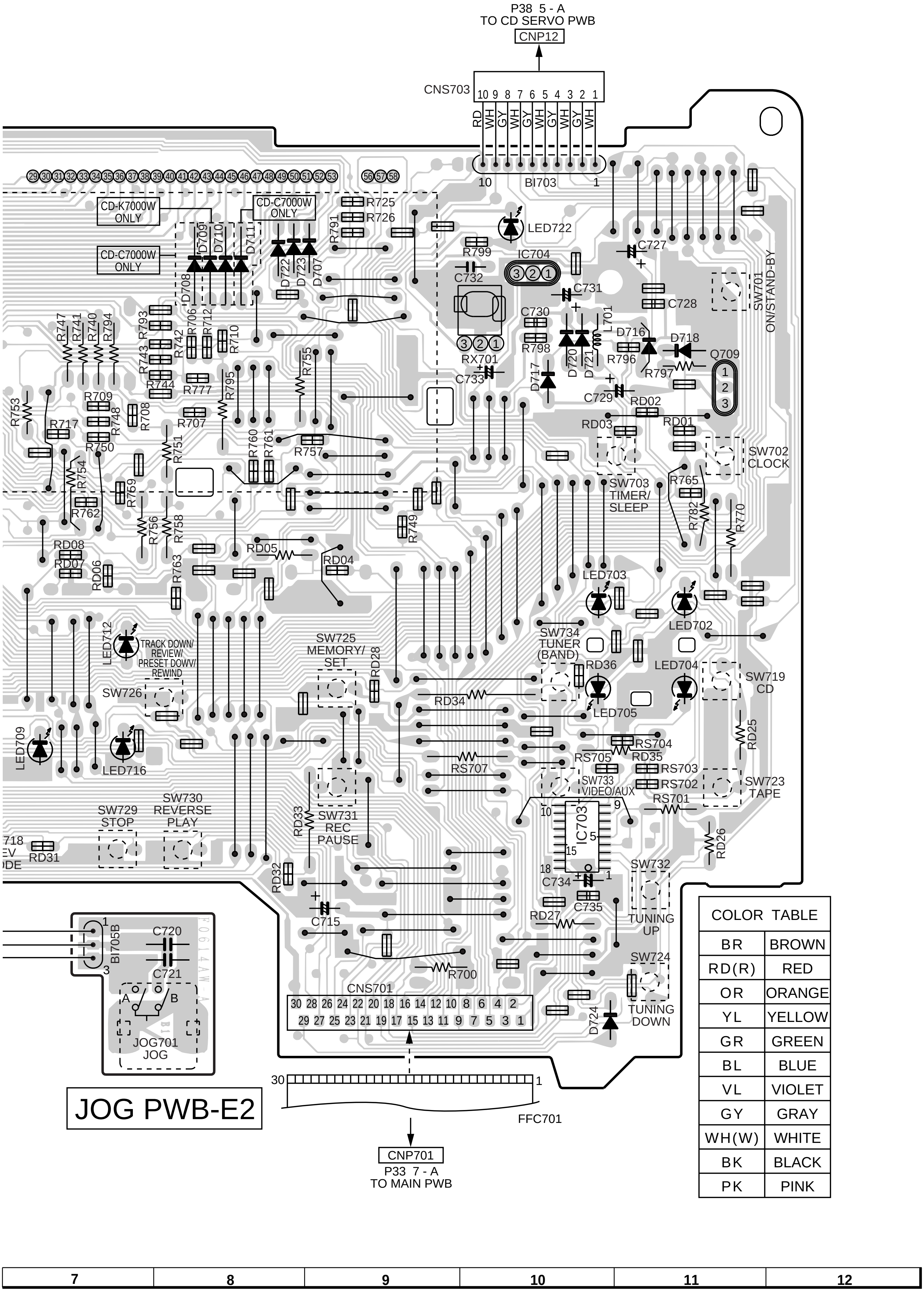
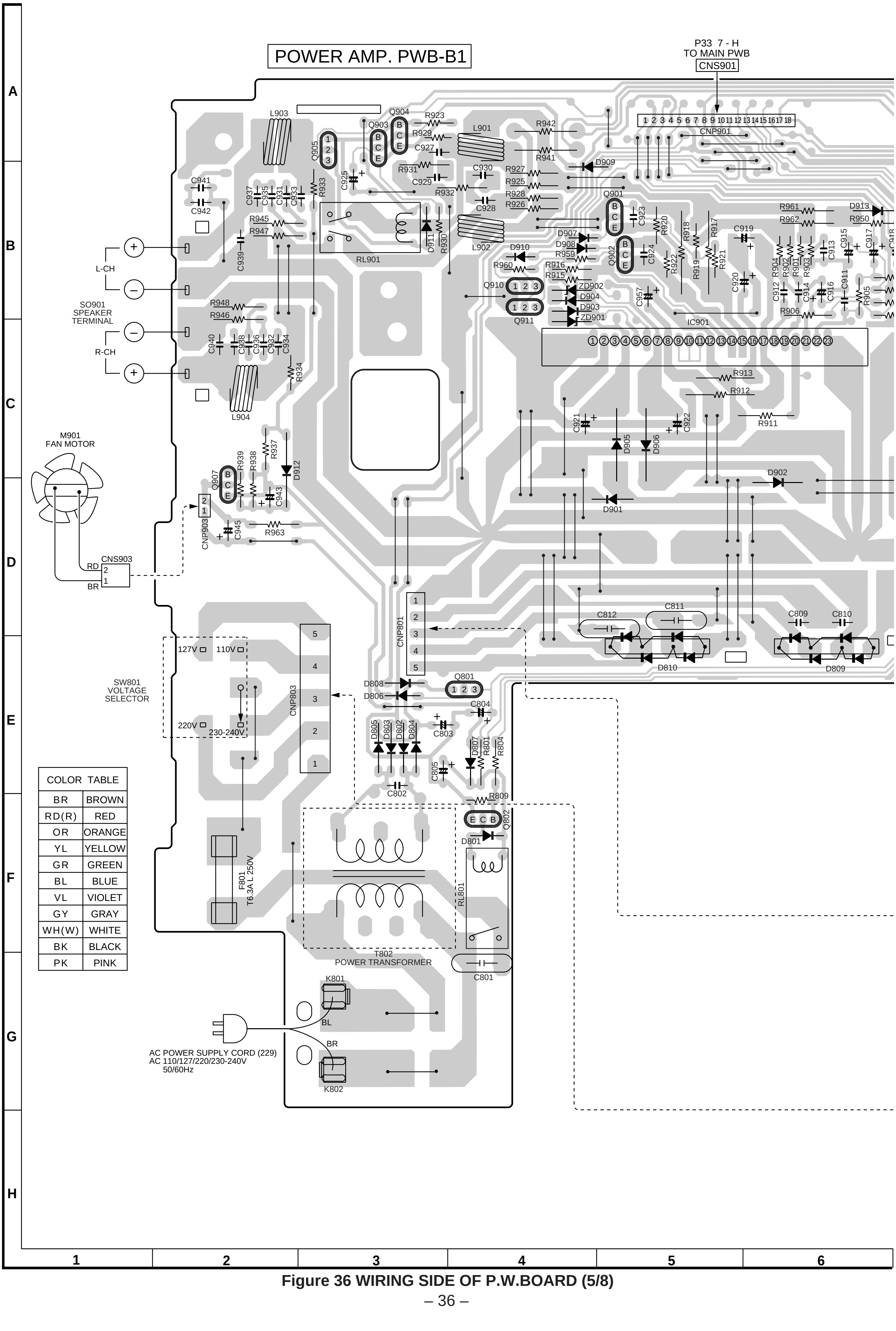


Figure 34 WIRING SIDE OF P.W.BOARD (3/8)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 35 WIRING SIDE OF P.W.BOARD (4/8)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 36 WIRING SIDE OF P.W.BOARD (5/8)

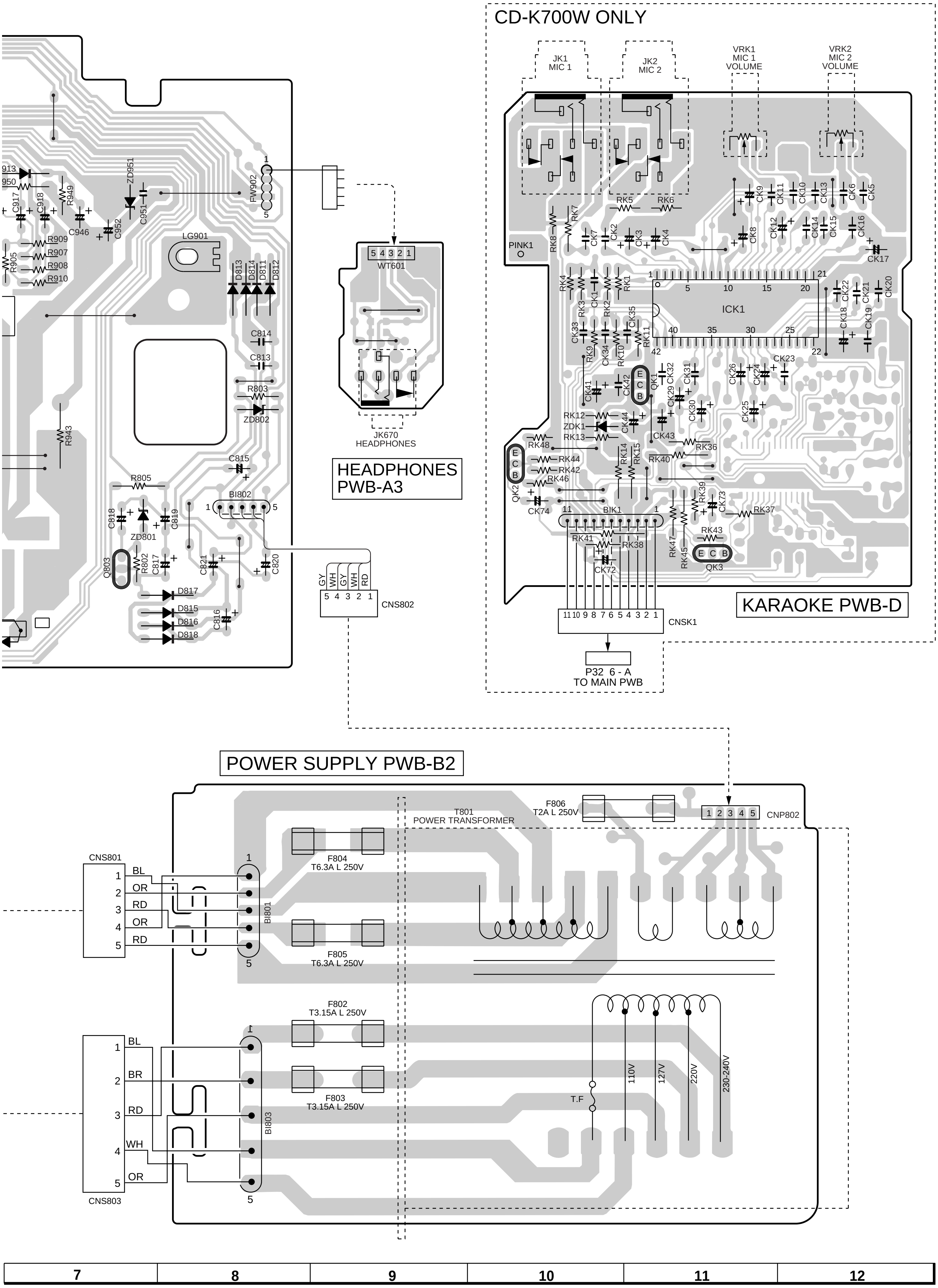
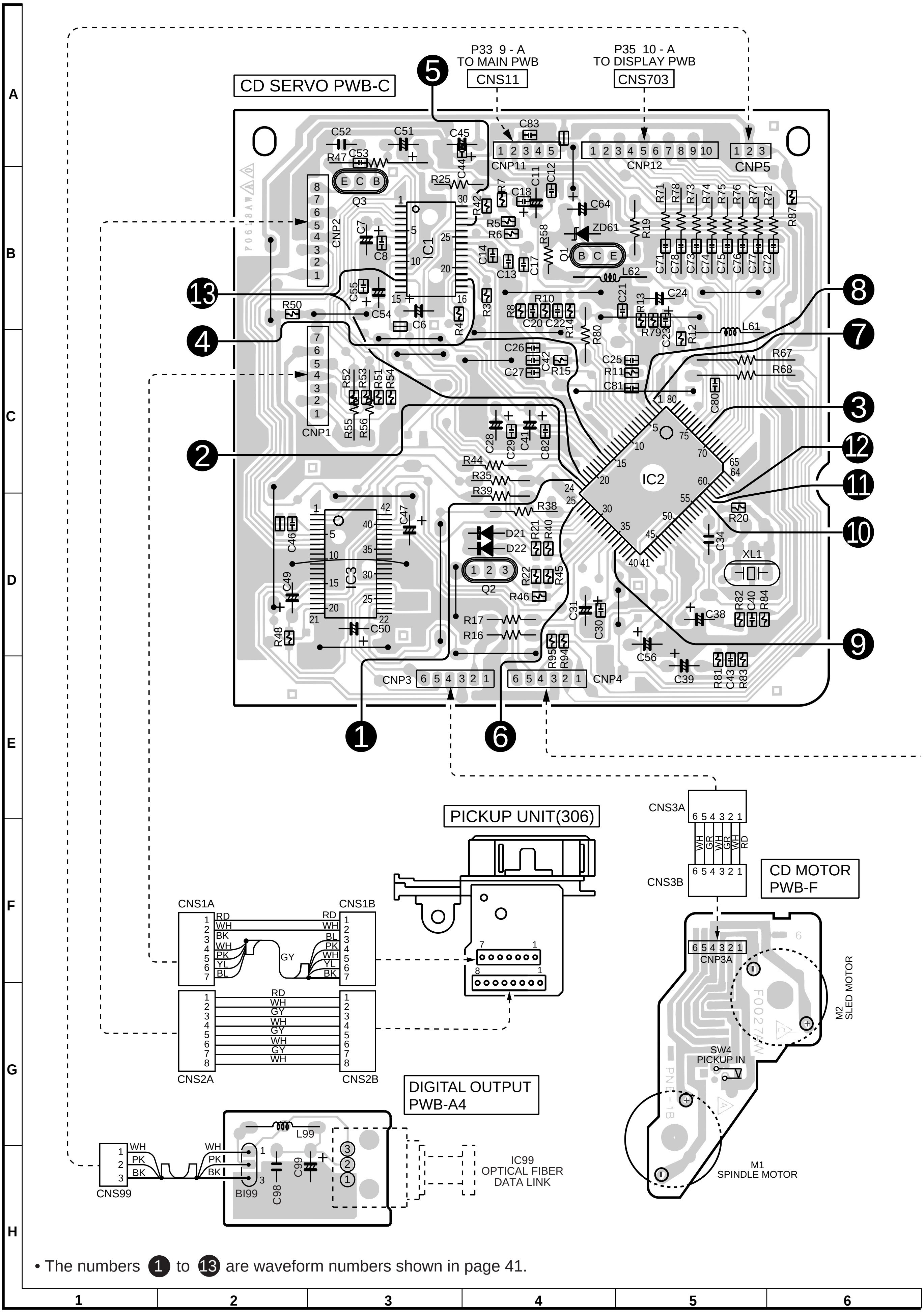
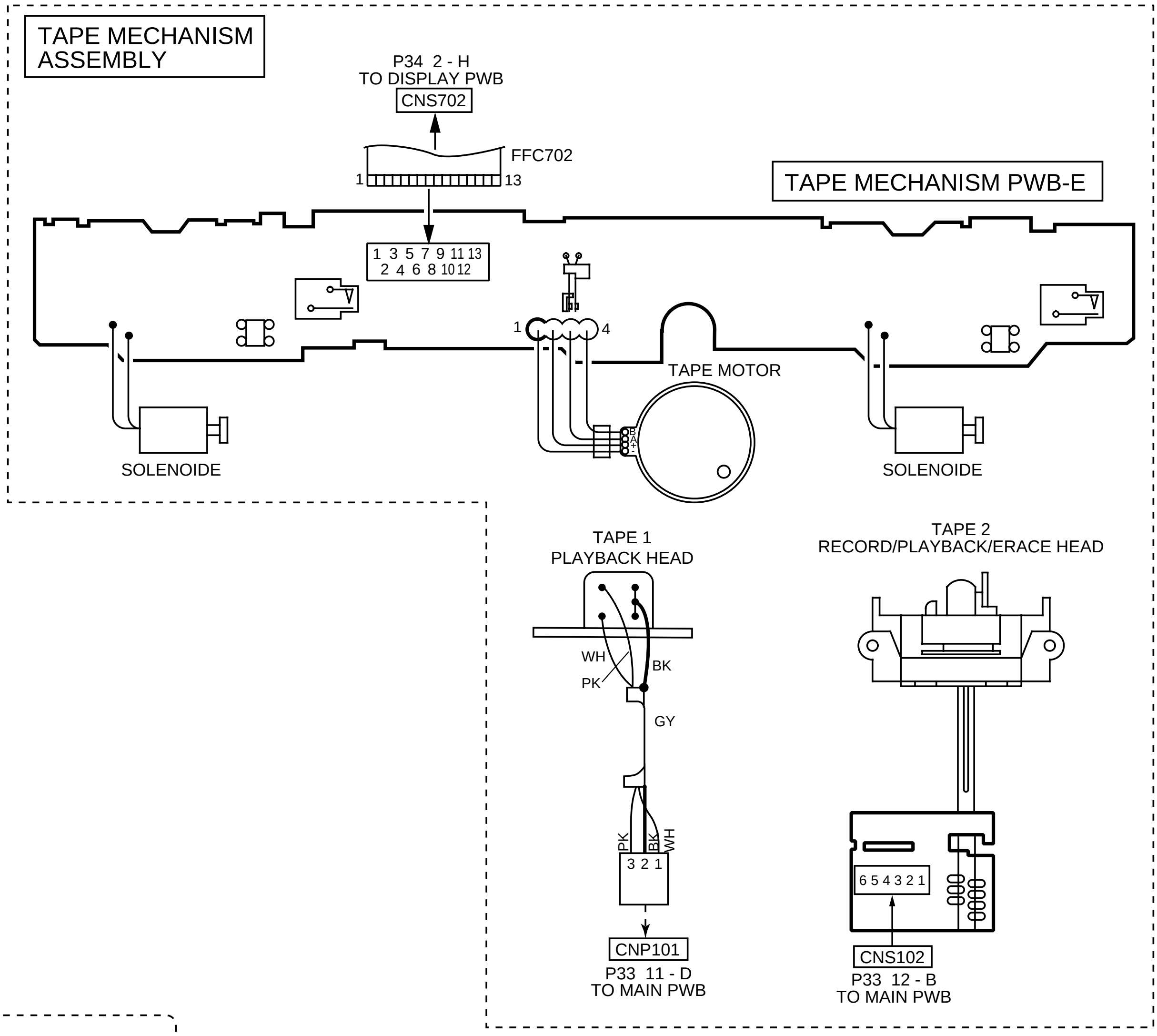


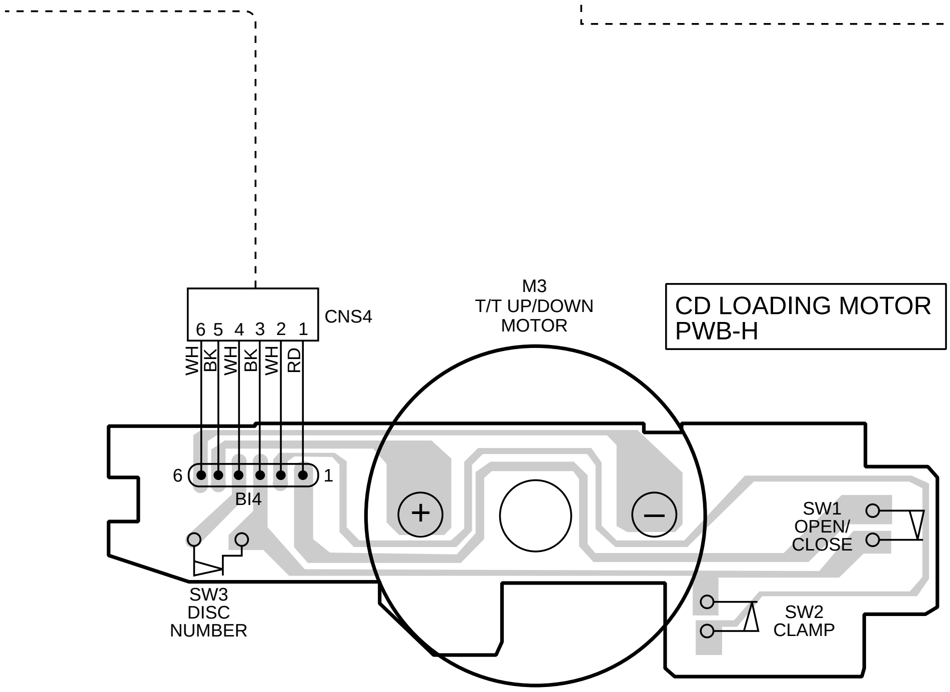
Figure 37 WIRING SIDE OF P.W.BOARD (6/8)



• The numbers 1 to 13 are waveform numbers shown in page 41.

Figure 38 WIRING SIDE OF P.W.BOARD (7/8)





COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

7	8	9	10	11	12

Figure 39 WIRING SIDE OF P.W.BOARD (8/8)

VOLTAGE

IC1

PIN NO.	VOLTAGE
1	1.6V
2	1.6V
3	1.6V
4	1.6V
5	1.6V
6	1.6V
7	0V
8	2.6V
9	0V
10	0V
11	0V
12	3.3V
13	1.6V
14	1.6V
15	1.6V
16	0V
17	0V
18	1.6V
19	1.6V
20	1.6V
21	1.6V
22	1.6V
23	0V
24	1.6V
25	0V
26	0V
27	0V
28	1.6V
29	1.6V
30	3.3V

IC3

PIN NO.	VOLTAGE
1	1.6V
2	1.6V
3	1.8V
4	2.1V
5	2.1V
6	2.1V
7	2.1V
8	0V
9	0V
10	0V
11	0V
12	0V
13	0V
14	0V
15	2.1V
16	2.1V
17	1.6V
18	4.9V
19	3.5V
20	1.6V
21	0V
22	0V
23	4.9V
24	4.9V
25	1.6V
26	2.1V
27	2.1V
28	1.9V
29	0V
30	0V
31	0V
32	0V
33	0V
34	0V
35	0V
36	4.2V
37	0V
38	2.1V
39	2.1V
40	4.9V
41	2.1V
42	2.1V

IC2

PIN NO.	VOLTAGE
1	0.7V
2	0V
3	0V
4	0V
5	3.3V
6	2.4V
7	0V
8	0V
9	1.6V
10	0V
11	4.7V
12	1.7V
13	0V
14	1.6V
15	1.6V
16	1.6V
17	1.6V
18	3.3V
19	0V
20	1.6V
21	1.6V
22	1.6V
23	1.6V
24	1.6V
25	1.6V
26	1.6V
27	1.6V
28	0V
29	0V
30	2.1V
31	2.1V
32	0V
33	3.3V
34	3.5V
35	3.3V
36	3.3V
37	3.3V
38	1.6V
39	1.6V
40	0V
41	0V
42	3.3V
43	3.3V
44	3.0V
45	1.5V
46	0V
47	0V
48	1.5V
49	3.0V
50	3.3V
51	1.8V
52	3.0V
53	0V
54	0V
55	0V
56	0V
57	1.7V
58	3.3V
59	0V
60	3.0V
61	1.6V
62	0V
63	2.4V
64	0V
65	0V
66	0V
67	0V
68	4.8V
69	4.9V
70	4.9V
71	4.6V
72	0V
73	4.9V
74	0V
75	0V
76	0V
77	3.2V
78	0V
79	0V
80	3.4V

IC101

PIN NO.	VOLTAGE
1	0V (0V)
2	0V (0V)
3	0.5V (0.5V)
4	1.9V (1.9V)
5	0V (0V)
6	0V (0V)
7	0V (0V)
8	0.6V (0.6V)
9	3.3V (3.3V)
10	3.3V (3.3V)
11	0V (0V)
12	0V (0V)
13	6.7V (6.7V)
14	4.0V (4.0V)
15	0V (0V)
16	3.3V (3.3V)
17	0.6V (0.6V)
18	0V (0V)
19	0V (0V)
20	0V (0V)
21	1.9V (1.9V)
22	0.5V (0.5V)
23	0V (0V)
24	0V (0V)

IC301

PIN NO.	VOLTAGE
1	0.8V (0V)
2	1.5V (0V)
3	3.6V (0.4V)
4	1.5V (0V)
5	0V (0V)
6	3.6V (0.4V)
7	2.8V (0.2V)
8	3.5V (0.3V)
9	3.6V (0.3V)

IC302

PIN NO.	VOLTAGE
1	2.4V (2.4V)
2	0V (0V)
3	0V (0V)
4	0V (0V)
5	2.9V (2.9V)
6	4.8V (4.9V)
7	0.1V (9.9V)
8	4.2V (0V)
9	3.3V (0V)
10	0V (3.9V)
11	5.1V (5.1V)
12	2.2V (0V)
13	5.0V (5.0V)
14	0V (0V)
15	0V (2.4V)
16	2.3V (0V)
17	5.0V (5.0V)
18	0.6V (0.8V)
19	0.8V (1.8V)
20	2.0V (1.0 V)
21	0V (0V)
22	2.5V (3.0V)

IC401

PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	–12V
5	0V
6	0V
7	0V
8	8.8V

IC303

PIN NO.	VOLTAGE
1	2.1V (2.1V)
2	4.5V (4.8V)
3	2.1V (2.1V)
4	2.1V (2.1V)
5	0V (0V)
6	4.6V (4.9V)
7	4.6V (4.9V)
8	2.4V (3.2V)
9	4.5V (4.8V)
10	3.9V (0V)
11	3.3V (1.8V)
12	3.3V (1.1V)
13	3.5V (2.0V)
14	1.2V (1.2V)
15	1.2V (1.2V)
16	2.0V (2.0V)
17	2.7V (0V)
18	2.1V (0.9V)
19	0V (1.9V)
20	0.3V (0.9V)
21	2.6V (2.0V)
22	2.6V (2.0V)
23	4.5V (4.8V)
24	3.0V (3.3V)

IC561

PIN NO.	VOLTAGE
1	13.1V
2	13.1V
3	1.3V
4	0V
5	1.3V
6	13.1V
7	13.1V
8	18.3V

IC562

PIN NO.	VOLTAGE
1	13.0V
2	13.0V
3	12.8V
4	0V
5	12.8V
6	13.0V
7	13.0V
8	18.3V

IC563

PIN NO.	VOLTAGE
1	13.1V
2	13.1V
3	1.4V
4	0V
5	1.4V
6	13.1V
7	13.1V
8	18.3V

IC860

PIN NO.	VOLTAGE
1	–6V
2	2V
3	0.6V
4	–7.6V
5	0V
6	0V
7	0V
8	6.3V

IC701

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.6V	51	4.9V
2	4.6V	52	0V
3	4.6V	53	0V
4	0V	54	4.9V
5	0V	55	4.9V
6	0V	56	4.9V
7	4.6V	57	4.9V
8	0V	58	0V
9	4.9V	59	34.3V
10	4.7V	60	–20.1V
11	4.9V	61	–16.4V
12	2.6V	62	–12.2V
13	0V	63	–16.5V
14	0V	64	–14.2V
15	4.8V	65	–31.9V
16	4.6V	66	–29.7V
17	4.6V	67	–31.9V
18	0V	68	–29.7V
19	4.9V	69	–18.5V
20	0V	70	–29.7V
21	0V	71	–27.5V
22	0V	72	–29.8V
23	0V	73	–18.8V
24	4.8V	74	–18.8V
25	0V	75	–27.7V
26	0V	76	–23.4V
27	0V	77	–23.1V
28	0V	78	–20.9V
29	0V	79	–34.1V
30	0V	80	–18.9V
31	4.9V	81	–28.7V
32	5.0V	82	–26.0V
33	4.9V	83	–29.8V
34	4.6V	84	–27.6V
35	5.0V	85	–29.7V
36	4.9V	86	–20.6V
37	4.9V	87	–20.5V
38	0V	88	–31.9V
39	4.8V	89	–31.8V
40	0V	90	–31.8V
41	1.9V	91	–32.0V
42	9.1V	92	–31.9V
43	9.1V	93	–31.9V
44	0V	94	–31.9V
45	3.8V	95	–31.9V
46	4.6V	96	–31.9V
47	4.5V	97	–31.9V
48	4.5V	98	–31.9V
49	4.9V	99	–31.9V
50	3.0V	100	–31.9V

IC702

PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	0V
5	9V
6	9V
7	9V
8	5V
9	9V
10	0V
11	9V
12	0V
13	5V
14	1.8V
15	9V
16	9V
17	0V
18	5V

Q852

PIN NO.	VOLTAGE
1	20V
2	0V
3	5.0V

Q851

PIN NO.	VOLTAGE
1	20V
2	0V
3	10V

Q850

PIN NO.	VOLTAGE
1	10V
2	20V
3	9.5V

IC703

PIN NO.	VOLTAGE
1	9V
2	9V
3	3.5V
4	3.5V
5	9V
6	0.5V
7	0.5V
8	1V
9	5V
10	0V
11	9V
12	4V
13	4V
14	9V
15	4V
16	2.5V
17	9V
18	9V

IC704

PIN NO.	VOLTAGE
1	5.0V
2	0V
3	5.0V

IC901

PIN NO.	VOLTAGE
1	77.6V
2	0V
3	37V
4	37V
5	37V
6	–23V
7	–37V
8	–77V
9	0V
10	0V
11	0V
12	0V
13	3.1V
14	0V
15	0V
16	–75V
17	75V
18	0V
19	0V
20	–75V
21	0V
22	0V
23	0V

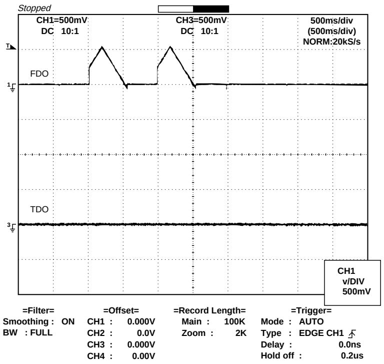
ICK1

PIN NO.	VOLTAGE
1	1V
2	1V
3	1.5V
4	2.4V
5	2.4V
6	2.4V
7	2.4V
8	2.4V
9	2.4V
10	2.4V
11	2.4V
12	2.4V
13	2.4V
14	2.4V
15	2.4V
16	2.4V
17	2.4V
18	2.4V
19	2.4V
20	0.5V
21	2.4V
22	0V
23	4.8V
24	0V
25	2.4V
26	2.4V
27	2.4V
28	2.4V
29	2.4V
30	2.4V
31	2.4V
32	2.4V
33	2.4V
34	2.4V
35	2.4V
36	2.4V
37	2.4V
38	2.4V
39	2.4V
40	0V
41	0.5V
42	0.5V

WAVEFORMS OF CD CIRCUIT

1 IC2 (24)

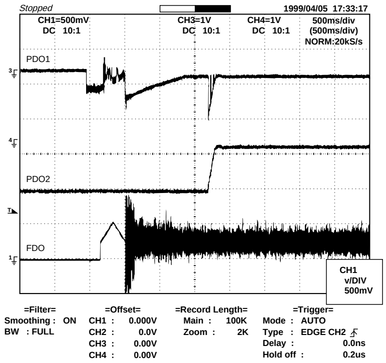
2 IC2 (23)



7 IC2 (1)

8 IC2 (2)

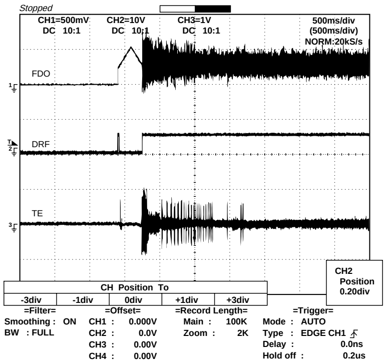
1 IC2 (24)



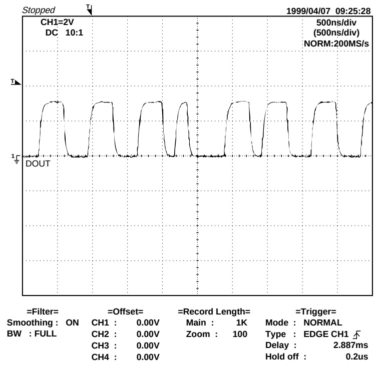
1 IC2 (24)

3 IC2 (72)

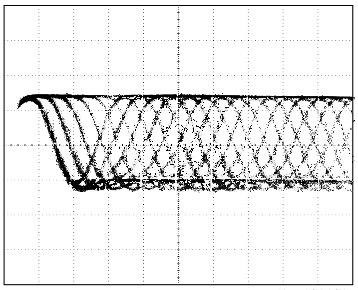
4 IC1 (18), IC2 (16)



9 IC2 (37)



5 IC1 (27)

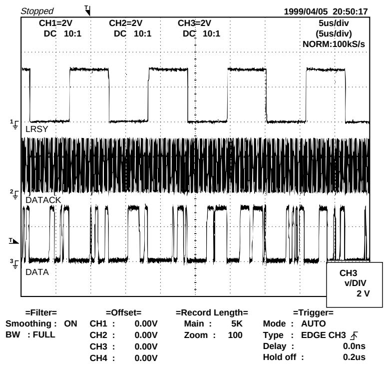


Vp-p=1.0V~1.3V
0.5mV/div,0.5µsec/div

10 IC2 (57)

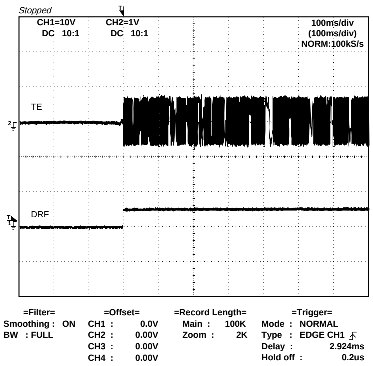
11 IC2 (58)

12 IC2 (59)



4 IC1 (18), IC2 (16)

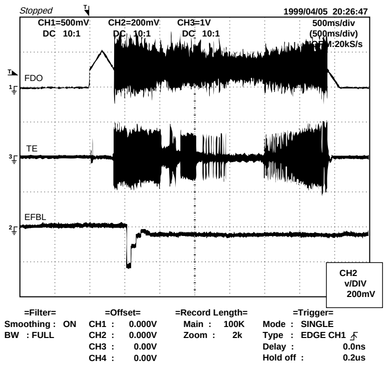
3 IC2 (72)



1 IC2 (24)

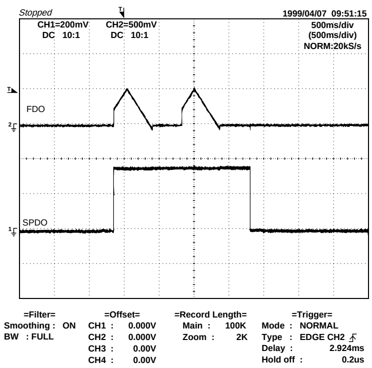
4 IC1 (18), IC2 (16)

13 IC1 (13), IC2 (22)



1 IC2 (24)

6 IC2 (25)



TROUBLE SHOOTING

When the CD does not function

When the CD section does not operate when the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.
Remove the cabinet and follow the trouble shooting instructions.
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.
Do not touch the lens with the bare hand.

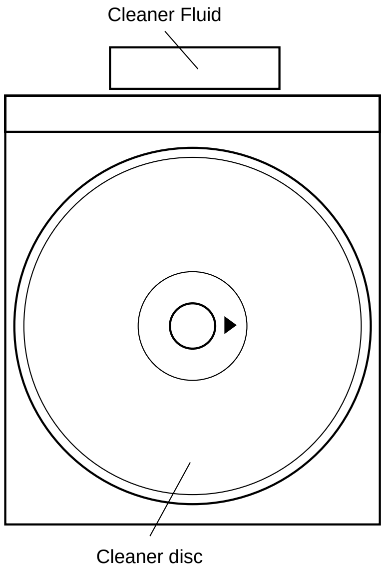
		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down,then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continuous to tum, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rines with clean water and seek medical advice.
- The CD cleaner disk must not be used on car CD players or on computer CD ROM drives.
- All rights reserved.Unauthorized duplicating, broadcasting and renting this product is



When a CD cannot be played

1. "E-CD01" is displayed.

(1) Check the power to IC2 (LC78641E), the presence of the clock signal (16.93 MHz) and the status of the RESET terminal (pin 71 on IC2).
(2) Did the pickup move to the PICKUP-IN Switch (SW4) position?

If (1) and (2) are OK, check the system microcomputer (especially the communication line with the DSP).

2. Pressing the CD operation key is accepted, but playback does not occur.

(1) Focus-HF system check
(2) Tracking system check
(3) Spin system check
(4) PLL system check
(5) Others

(1) Focus-HF system check

Although a CD is inserted and the cover is closed, "NO DISC" is displayed.

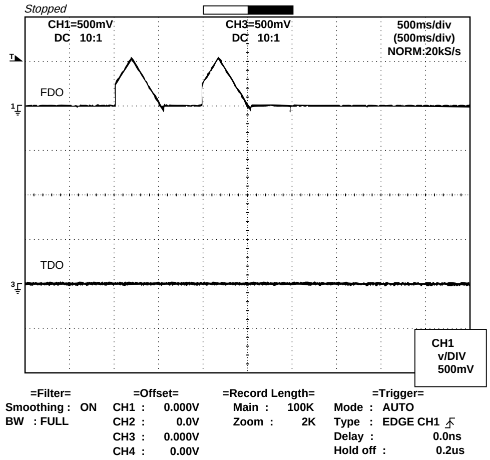


Figure 43-1

Press the OPEN/CLOSE switch (SW1) without inserting a disc, and try starting the playback operation.

1. Did the pickup move to the PICKUP-IN Switch (SW4) position?
   - No → Sled motor (M2)
   - Yes ↓
2. Does the focus (lens) move up and down? (Waveform drawing 43-1).
   - No → Check the focus peripheral circuit.
   - Yes ↓
3. Is the laser lit?
   - No → Check the laser diode driver Q3 peripheral circuit.
   - Yes ↓
4. Is the turntable rotating?
   - No → Spindle motor (M1).

When a disc is loaded, start playback operation.

1. Is focus servo activated? (Waveform drawing 43-2)
   - No → Pins 1~11 on IC1
Check the laser diode driver Q3 peripheral circuit.
Focus error circuit (pins 20 and 21 on IC1)
   - Yes ↓
2. Does DRF change from "L" to "H"?
   - No → Is the disc rotating? → No → Check the spin system.
If the disc is spinning and a HF waveform is generated, DRF will go H.
   - Yes ↓
3. Is the HF waveform normal? (Waveform drawing 43-3)
   - No → If the level is not normal, check around pins 27~29 on IC1.

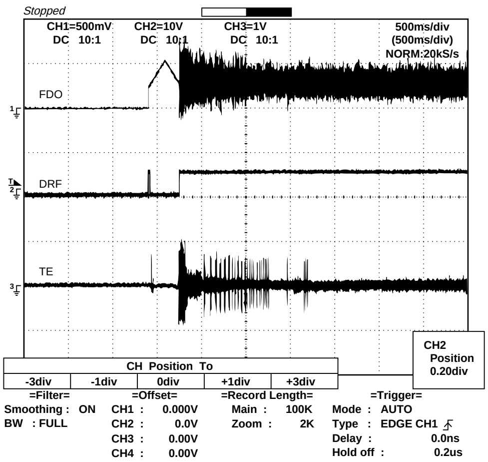


Figure 43-2

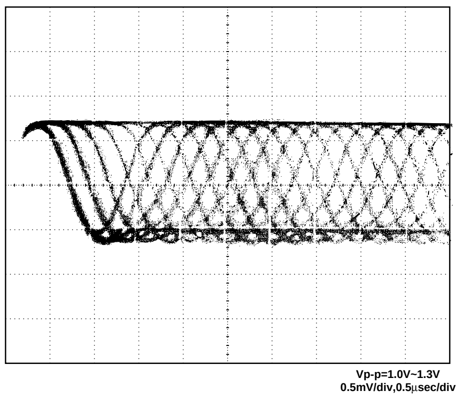


Figure 43-3

(2) Tracking system check

Check the TE waveform at pin 18 on IC1.

- If the waveform shown in Figure 44-1 appears and soon after NO DISC appears.
  - Yes → The tracking servo is not activated. Check the peripheral circuits at pins 18 and 19 on IC1, pin 23 on IC2, and CNS1A/B.
  - No ↓
- "Initialization" is possible, but play is not possible.
  - Yes → A normal jump operation cannot be completed or the beginning of the track cannot be found. Check the around pin 23 on IC2.
  - No ↓
- "Initialization" is not possible. → Data cannot be read. Check the VCO-PLL system.

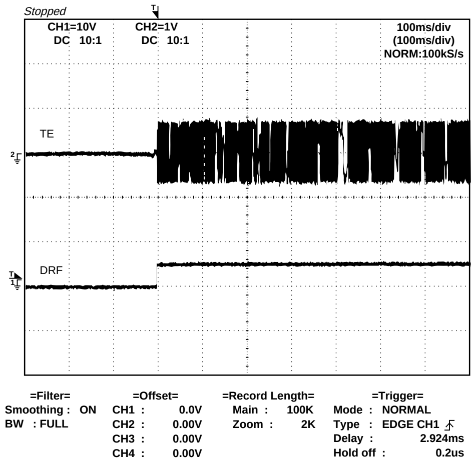


Figure 44-1

(3) Spin system check

Press the OPEN/CLOSE switch without inserting a disc, and then try starting the play operation.

↓

1. The turntable rotates a little. (Waveform drawing 44-2)
   - Yes → The spin driver circuit is OK.
   - No ↓
2. The turntable doesn't rotate. → Check around pin 25 on IC2, pins 15 and 16 on IC3, and CNS3A/B.

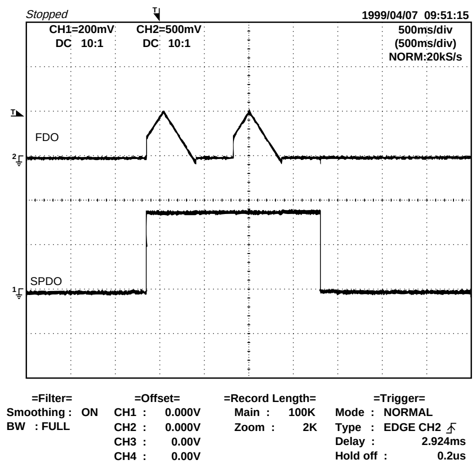


Figure 44-2

(4) PLL system check

When a disc is loaded, start play operation.

↓

The HF waveform is normal, but the TOC data cannot be read.

↓

Check the PDO waveform. (Figure 45-1)

↓

Check around pins 1~6 on IC2.

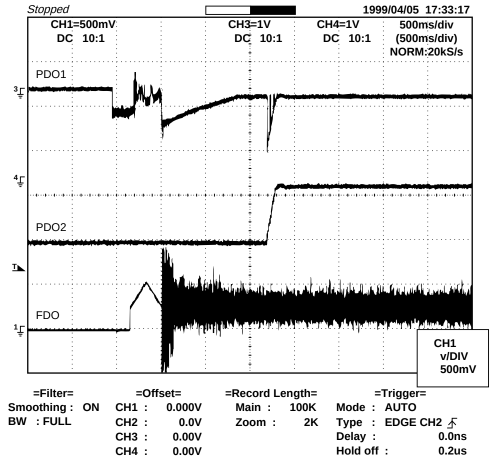


Figure 45-1

(5) Others

The HF waveform is normal and the time is displayed normally, but no sound is produced. Or the sound has dropouts.

Is pin 35 (C2F) on IC2 "L"?

No → There are too many error flags on a damaged disc which makes error correction impossible.

↓

Check again using a known good disc.

Yes ↓

1. When playing at normal speed
   Check the peripheral circuit at pin 37 (DOUT) on IC2 and the waveform (Figure 45-2).

↓

If both 1. and 2. are OK.

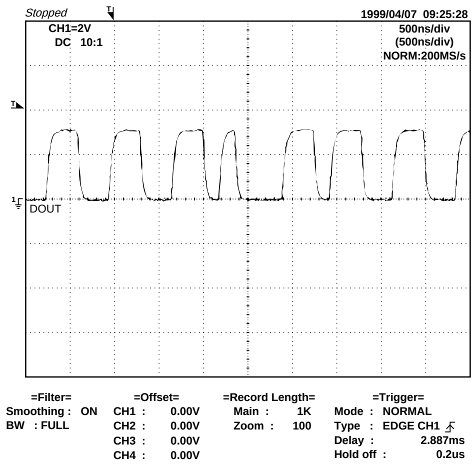
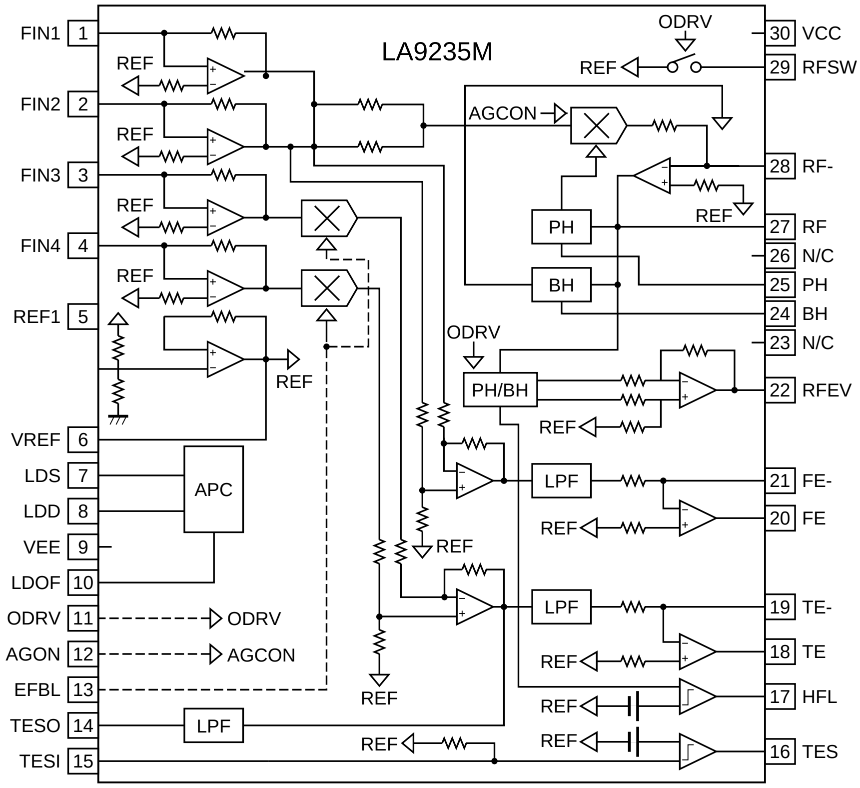


Figure 45-2

FUNCTION TABLE OF IC

IC1 VHiLA9235M/-1: Servo Amp. (LA9235M)



IC2 VHiLC78641E-1: Servo/Signal Control (LC78641E)

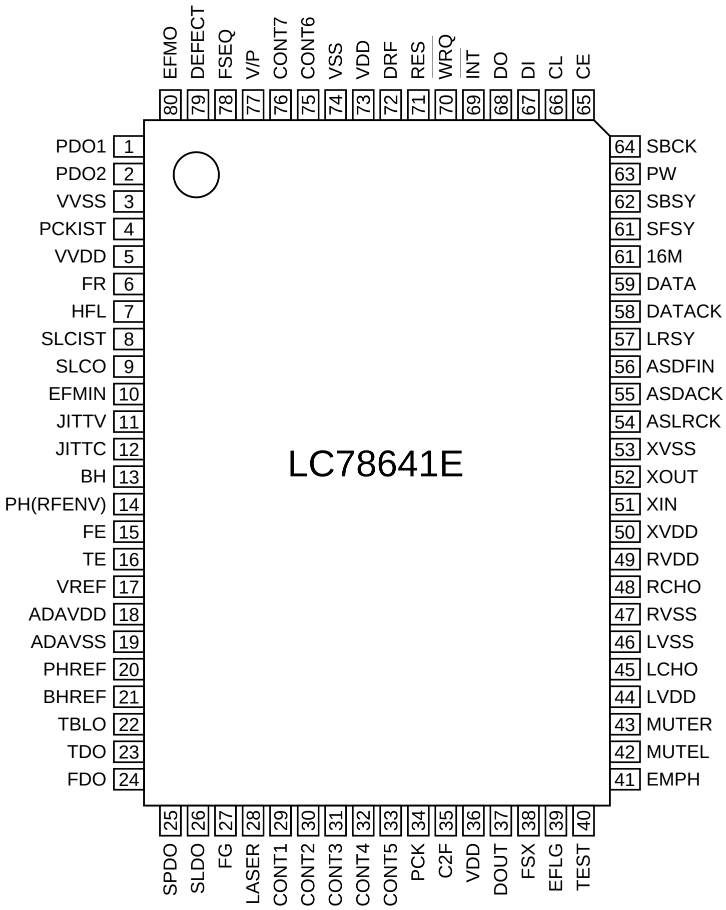


Figure 46 BLOCK DIAGRAM OF IC

IC2 VHiLC78641E-1: Servo/Signal Control (LC78641E) (1/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
1	PDO1	Output	–	For PULL	Phase-comparison output terminal for built-in VOC control.
2	PDO2	Output	–		Phase-comparison output terminal for built-in VOC control. Rough servo : OFF, phase servo : ON.
3	VVSS	–	–		Ground terminal for built-in VCO.
4	PCKIST	AI	–		Resistor terminal for setting the PDO output current.
5	VVDD	–	–		Power terminal for built-in VCO.
6	FR	AI	–		Resistor terminal for setting the VCO frequency range.
7	HFL	Input	–	Mirror detection signal input terminal.	
8	SLCIST	AI	–	For slice level control	Resistance connection terminal for current adjustment of SLCO output.
9	SLCO	Output	–		Control output.
10	EFMIN	Input	–		EFM signal input terminal.
11*	JITTV	Output	Unfixed	Jitter detection/monitor terminal.	
12	JITTC	Output	–	Jitter detection/adjustment terminal.	
13	BH	Input	–	BH signal input terminal. A/D input.	
14	PH(RFENV)	Input	–	PH signal or RFENV signal input terminal. A/D input.	
15	FE	Input	–	FE signal input terminal. A/D input.	
16	TE	Input	–	TE signal input terminal. A/D input.	
17	VREF	Input	–	VREF signal input terminal. A/D input.	
18	ADAVDD	–	–	AD for servo, D/A power terminal.	
19	ADAVSS	–	–	AD for servo, D/A ground terminal.	
20*	PHREF	Output	(1/2VDD)	PH reference output terminal. D/A output.	
21*	BHREF	Output	(1/2VDD)	BH reference output terminal. D/A output.	
22	TBLO	Output	(1/2VDD)	Output terminal for tracking balance. D/A output.	
23	TDO	Output	(1/2VDD)	Output terminal for tracking control. D/A output.	
24	FDO	Output	(1/2VDD)	Output terminal for focus control. D/A output.	
25	SPDO	Output	(1/2VDD)	Output terminal for spindle control. D/A output.	
26	SLDO	Output	(1/2VDD)	Output terminal for sled control. D/A output.	
27*	FG	Input	–	FG signal input terminal. (When not used,connect to 0V)	
28	LASER	Output	L	LASER ON/OFF control terminal.	
29	CONT1	In/Output	Input mode	General purpose input/output terminal 1.	Controlled with serial data command from microcomputer. When not used, set it as the input terminal and open it by connecting to 0V, or set it as the output terminal and open it.
30	CONT2	In/Output	Input mode	General purpose input/output terminal 2.	
31	CONT3	In/Output	Input mode	General purpose input/output terminal 3.	
32	CONT4	In/Output	Input mode	General purpose input/output terminal 4.	
33	CONT5	In/Output	Input mode	General purpose input/output terminal 5.	
34*	PCK	Output	H	Clock monitor terminal for EFM data replay. 4.3218MHz as phase clock.	
35*	C2F	Output	H	C2 flag output terminal.	
36	VDD	–	–	Power terminal of digital system.	
37	DOUT	Output	L	Output terminal of digital OUT. (EIAJ format)	
38*	FSX	Output	L	Output terminal of synchronous signal of 7.35kHz divided from quartz oscillation.	
39*	EFLG	Output	L	C1,C2 correct monitor terminal.	
40	TEST	Input	–	Input terminal for test. Surely connected to 0V.	
41*	EMPH	In/Output	Input mode	Emphasis terminal. After resetting, it is configured as an input terminal. It can be controlled from the outside. It is also becomes a emphasis monitor terminal under command control.	
42*	MUTEL	Output	H	Mute output terminal for L channel.	
43*	MUTER	Output	H	Mute output terminal for R channel.	

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC2 VHiLC78641E-1: Servo/Signal Control (LC78641E) (2/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
44	LVDD	–	–	L channel D/A converter	Power terminal for L channel.
45	LCHO	Output	1/2VDD		L channel output terminal.
46	LVSS	–	–		Ground terminal for L channel. Surely connected to 0V.
47	RVSS	–	–	R channel D/A converter	Ground terminal for R channel. Surely connected to 0V.
48	RCHO	OUTPUT	1/2VDD		R channel output terminal.
49	RVDD	–	–		Power terminal for R channel.
50	XVDD	–	–	For quartz oscillation	Power terminal for quartz oscillation.
51	XIN	Input	Oscillation		Ground terminal of 16.9344MHz quartz oscillation.
52	XOUT	Output	Oscillation		
53	XVSS	–	–		Ground terminal for quartz oscillation. Surely connected to 0V.
54	ASLRCK	Input	–	For anti shock mode	L/R clock input terminal. (When not used,connect to 0V)
55	ASDACK	Input	–		Bit clock input terminal. (When not used,connect to 0V)
56	ASDFIN	Input	–		L/R channel data input terminal. (When not used,connect to 0V)
57*	LRSY	Output	L	For digital data output	L/R clock output terminal.
58*	DATACK	Output	L		Bit clock output terminal.
59*	DATA	Output	L		L/R channel data output terminal.
60*	16M	Output	Clock output	16.9344MHz output terminal.	
61*	SFSY	Output	L	Output terminal of synchronous signal of subcode frame. It drops when subcode stand by.	
62*	SBSY	Output	L	Output terminal of synchronous signal of subcode block.	
63*	PW	Output	L	Output terminal of subcodes P,A,R,S,T,U and W.	
64	SBCK	Input	–	Clock input terminal to read subcode. (When not used,connect to 0V)	
65	CE	Input	–	For microcomputer interface	Chip enable signal input terminal.
66	CL	Input	–		Data transmission clock input terminal.
67	DI	Input	–		Data input terminal.
68	DO	Output	L		Data output terminal.
69	INT	Output	H		Interruption signal output terminal.
70	WRQ	Output	H		Interruption signal output terminal.
71	RES	Input	–	Reset input terminal of LC78640. When turning on power, set it at "L".	
72	DRF	Output	L	Focus ON detection terminal.	
73	VDD5V	–	–	Power terminal for microcomputer interface.	
74	VSS	–	–	Ground terminal of digital system. Surely connected to 0V.	
75	CONT6	In/Output	Input mode	General purpose input/output terminal 6.	Controlled with serial data command from microcomputer. When not used, set it as the input terminal and open it by connecting to 0V, or set it as the output terminal and open it.
76	CONT7	In/Output	Input mode	General purpose input/output terminal 7.	
77*	V/ *P	Output	H	Monitor output terminal for automatic switch of rough servo/phase control. "H" for rough servo, and "L" for phase servo.	
78*	FSEQ	Output	L	Output terminal synchronous signal detection. "H" is output when synchronous signal detected by EFM signal matches synchronous signal internally generated.	
79	DEFECT	In/Output	Input mode	Defect terminal. After resetting, it is configured as an input terminal. It can be controlled from the outside. It also becomes a defect monitor terminal under command control	
80*	EFMO	Output	Unfixed	EFM signal output terminal.	

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Be sure to supply the same potential to each power terminal. (VVDD,ADAVDD,VDD,LVDD,RVDD,XVDD)
Terminal witch is controlled by the power terminal (VDD5V) for a microcomputer interface :
CE (65pin), CL (66pin), DI (67pin), DO (68pin), INT (69pin), WRQ (70pin), RES (71pin), DRF (72pin),
CONT6 (75pin), CONT7 (76pin)

IC701 RH-iX0334AWZZ: System Microcomputer (IX0334AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VDD	VDD	—	(+) POWER SUPPLY
2	P37	-20dBATT	Output	-20dB ATTENUATOR
3*	P36	S-BUSY	Output	Not used
4	P35	LCK1	Output	LED DRIVER LCK (BU2092-2)
5	P34	LCK0	Output	LED DRIVER LCK (BU2092-1)
6*	P33	DP REQ	Output	DOLBY PROLOGIC REQ TERMINAL
7	P32	RES OUT	Output	CD DSP RESET&MPEG µCOM RESET
8	P31	DRF	Input	CD RF LEVEL DETECTION
9	P30	WRQ	Input	CD DSP WRITE REQUEST
10	RESET	RESET	Input	µCOM RESET
11	X2	X2	Output	MAIN CLOCK
12	X1	X1	Input	MAIN CLOCK
13	Vpp/IC	Vpp/IC	—	GND
14*	XT2	XT2	—	OPEN
15	P04	CD INT	Input	CD DSP INTERRUPT
16	VDD	VDD	—	(+) POWER SUPPLY
17	P27	CD CLK/MCLK	Output	CD DSP CLOCK/MPEG µCOM CLOCK
18	P26	CD DI/MDI	Outout	CD DSP COMMAND/MPEG µCOM COMMAND
19	P25	CD DO/MDO	Input	CD DSP CODE Q OUT/MPEG µCOM DATA INPUT
20	P24	CD CE	Output	CD DSP CE OUTPUT
21	P23	CE	Output	CE OUTPUT
22	P22	CLK	Output	CLOCK OUTPUT
23	P21	DI	Output	DATA OUTPUT
24	P20	DO	Input	DATA INPUT
25	AVss	AVSS	—	ANALOG GROUND
26	ANI7	TUN SMIM-BUSY	Input	TUNER SIGNAL METER INPUT
27	ANI6	SPEANA3	Input	SPEANA DATA INPUT L, R 16 KHz
28	ANI5	SPEANA2	Input	SPEANA DATA INPUT L, R 63Hz
29*	ANI4	SPEANA1	Input	SPEANA DATA INPUT R-CH 1KHz
30	ANI3	SPEANA0	Input	SPEANA DATA INPUT L-CH 1KHz
31-33	ANI2-ANI0	KEY2-KEY0	Input	KEY INPUT
34	AVDD	AVDD	—	ANALOG VDD
35	AVREF	AVREF	—	ANALOG REF VOLTAGE
36	INTP3	SYS STOP	Input	SYSTEM STOP INPUT
37	INTP2	JOG1	Input	KEY JOG INPUT 1
38	INTP1	JOG0	Input	KEY JOG INPUT 2
39	INTP0	REMOCON	Input	REMOCON INPUT
40	Vss	Vss	—	GROUND VOLTAGE
41	P74	SMUTE	Output	SYSTEM MUTE CONTROL
42	P73	T_SOL B	Output	TAPE2 SOLENOID CONTROL
43	P72	T_SOL A	Output	TAPE1 SOLENOID CONTROL
44	P71	T_MOTOR	Output	TAPE MOTOR CONTROL
45	P70	TIMER LED	Output	TIMER OED CONTROL
46	VDD	VDD	—	(+) POWER SUPPLY
47	P127	AC PLY_CONT	Output	AC RELAY CONTROL
48	P126	SPRLY	Output	SPEAKER OUTPUT RELAY CONTROL
49	P125	SP DET	Input	SPEAKER OUTPUT DETECTION
50	P124	T1 RUN	Input	TAPE1 RUN PULSE TNPUT
51	P123	T2 RUN	Input	TAPE2 RUN PULSE TNPUT
52	P122	CD CLAMP SW	Input	CD CHANGER CLAMP SWITCH
53	P121	PLAY SW_A	Input	PLAY SWITCH FOR T1

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iX0334AWZZ: System Microcomputer (IX0334AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
54	P120	PLAY SW_B	Input	PLAY SWITCH FOR T2
55	P119	FPA	Input	TAPE2 A-SIDE FULL PROOF
56	P118	FPB	Input	TAPE2 B-SIDE FULL PROOF
57	P117	MIC SW	Input	MIC SWITCH
58	P116	KARAOKE LATCH	Output	KARAOKE LATCH
59	P115	DIST_OUT/SW OUT	Output	DISTINATION OUTPUT/SWITCH OUTPUT
60	P112	SPN	Input	TUNER SPAN CHANGE
	FIP39	P25	Output	FL DISPLAY SEGMENT DRIVER
61	P111	MOV VOL COM OPN SW	Input	MOVING VOLUME CONTROL OPEN SWITCH
	FIP38	P24	Output	FL DISPLAY SEGMENT DRIVER
62	P110	MOV VOL COM CLS SW	Input	MOVING VOLUME CONTROL CLOSE SWITCH
	FIP37	P23	Output	FL DISPLAY SEGMENT DRIVER
63-66	FIP36-FIP33	P22-P19	Output	FL DISPLAY SEGMENT DRIVER
67	P103	DIST3	Input	DISTINATION INPUT
	FIP32	P18	Output	FL DISPLAY SEGMENT DRIVER
68	P102	DIST2	Input	DISTINATION INPUT
	FIP31	P17	Output	FL DISPLAY SEGMENT DRIVER
69	P101	DIST1	Input	DISTINATION INPUT
	FIP30	P16	Output	FL DISPLAY SEGMENT DRIVER
70	P100	DIST0	Input	DISTINATION INPUT
	FIP29	P15	Output	FL DISPLAY SEGMENT DRIVER
71-78	FIP28-FIP21	P14-P7	Output	FL DISPLAY SEGMENT DRIVER
79	VLOAD	VLOAD	—	FL DRIVER (-) POWER SUPP. -30V
80-85	FIP20-FIP15	P9-P1	Output	FL DISPLAY SEGMENT DRIVER
86-100	FIP14-FIP0	G15-G1	Output	FL DISPLAY SEGMENT DRIVER

IC3 VHiM63001FP-1: Focus/Tracking/Spin/Slide Driver (M63001FP)

Pin No.	Terminal Name	Function
1	IN2-	CH2 inverted input.
2	IN1A-	CH1 inverted input.
3	IN1B-	CH1 output offset control.
4	OUT1-	CH1 inverted output.
5	OUT1+	CH1 non-inverted output.
6	OUT2-	CH2 inverted output.
7	OUT2+	CH2 non-inverted output.
8-14	GND	GND
15	OUT3+	CH3 non-inverted output.
16	OUT3-	CH3 inverted output.
17	IN3-	CH3 inverted input.
18	VCC1	Power supply 1 (CH1, CH2, CH3)
19	STANDBY	STANDBY signal input.
20	VRFE	CH1-CH4 Reference voltage input.
21	MUTE	Mute signal input (CH6).
22	IN5-	CH5 inverted input.
23	IN5+	CH5 non-inverted input.
24	VCC2	Power supply 2 (CH4).
25	IN4-	CH4 inverted input.
26	OUT4-	CH4 inverted output.
27	OUT4+	CH4 non-inverted output.
28	VCC3	Power supply 3 (CH5).
29-35	GND	GND
36	OUT5+	CH5 non-inverted output.
37*	OUT5-	CH5 inverted output.
38*	OUT6+	CH6 non-inverted output.
39	OUT6-	CH6 inverted output.
40	VCC4	Power supply 4 (CH6).
41	IN6-	CH6 inverted input.
42	IN6+	CH6 non-inverted input.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

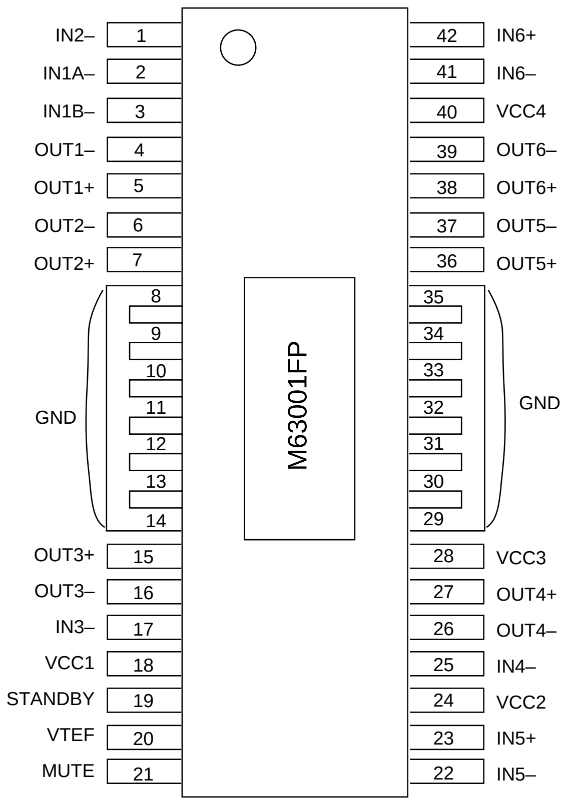


Figure 50 BLOCK DIAGRAM OF IC

IC601 VHiLC75341/-1: Audio Processor (LC75341)

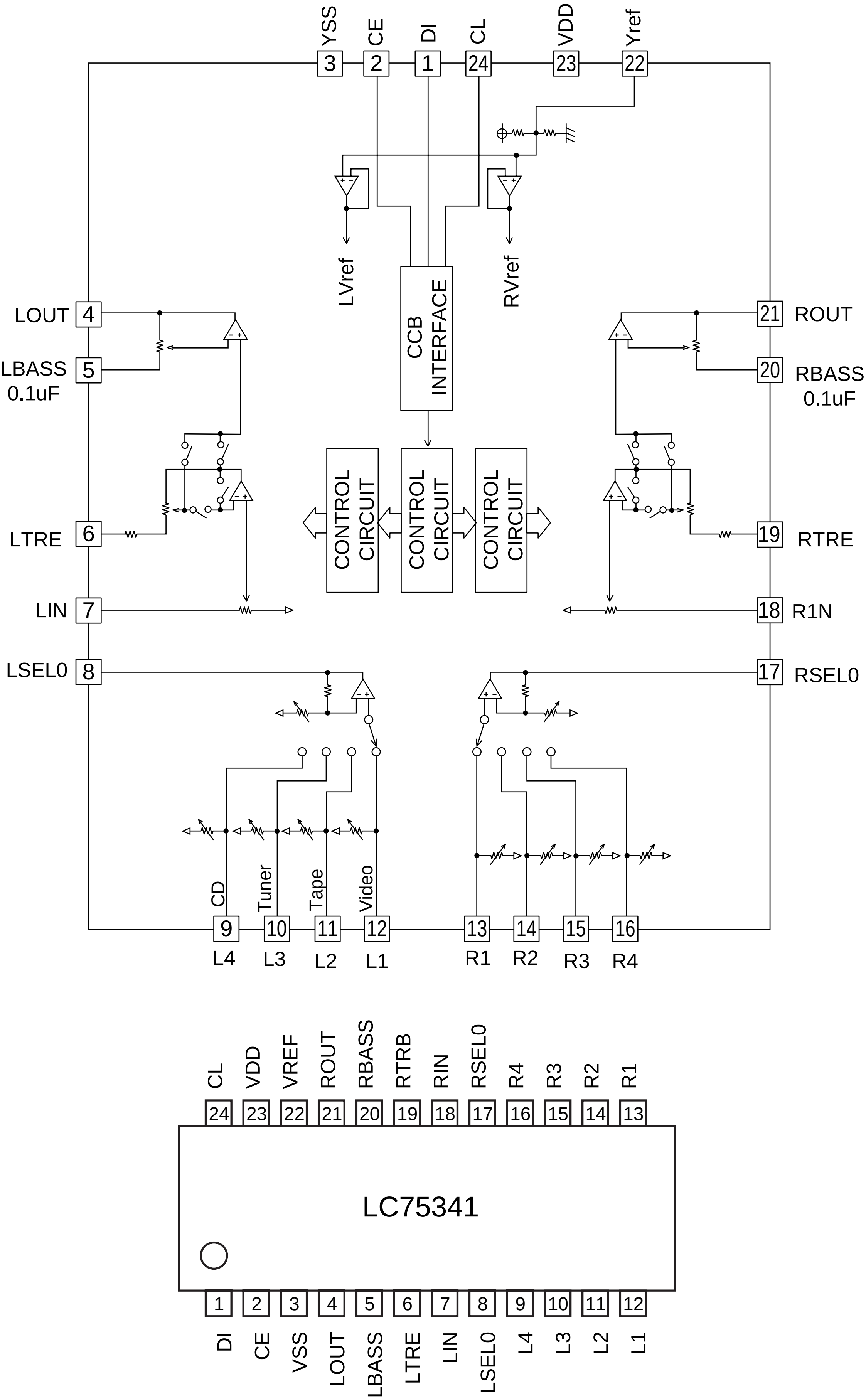


Figure 51 BLOCK DIAGRAM OF IC

ICK1 VHiM65856SP-1: Mic Amp. (M65856SP) (1/2)

Pin No.	Port Name	Input/Output	Function
1	MIC SW	Input	Microphone SW L: MIC OFF, H: MIC ON
2	MCLKCONT	—	Clock Control Controls built-in clock generation circuit with external R
3	VALC	—	ALC operating voltage setting terminal To set ALC operating voltage according to applied voltage
4	MIC1IN	Input	Microphone 1 input To connect MIC1
5	ALC1	—	ALC1 control To connect ALC1 attack/recovery time setting capacitor
6	MIC1NFIN	Input	Microphone 1 negative feedback input To connect low cut-off frequency of MIC1 amplifier setting capacitor
7	MIC1OUT	Output	Microphone 1 output
8	MIC1VOLIN	Input	Microphone 1 volume input To connect capacitor to reduce noise generated at time of volume change
9	MIC2IN	Input	Microphone 2 input To connect MIC2
10	ALC2	—	ALC2 control To connect ALC2 attack/recovery time setting capacitor
11	MIC2NFIN	Input	Microphone 2 negative feedback input To connect low cut-off frequency of MIC2 amplifier setting capacitor
12	MIC2OUT	Output	Microphone 2 output
13	MIC2VOLIN	Input	Microphone 2 volume input To connect capacitor to reduce noise generated at time of volume change
14	MICOUT	Output	Microphone output Mixing output of MIC1 and MIC2
15	LPF1IN1	Input	Low pass filter 1 input 1 Pre-filter before A/D convertor for digital delay
16	LPF1IN2	Input	Low pass filter 1 input 2 Pre-filter before A/D convertor for digital delay
17	LPF1OUT	Output	Low pass filter 1 output Pre-filter before A/D convertor for digital delay
18	ADINTOUT	Output	A/D integrator output Composes D/A conversion integrator with external capacitor
19	ADINTIN	Input	A/D integrator input Composes D/A conversion integrator with external capacitor
20	ADCONT	—	A/D control To determine adaptive time constant of A/D convertor with ADM system
21	REF	—	Reference power output To connect 1/2 Vcc output and filter capacitor
22	GND	—	Ground
23	VCC	—	Power supply
24	DACONT	—	D/A control To determine adaptive time constant of D/A convertor with ADM system
25	DAINTIN	Input	D/A Integrator input Composes D/A conversion integrator with external capacitor
26	DAINTOUT	Output	D/A Integrator output Composes D/A conversion integrator with external capacitor
27	LPF2IN1	Input	Low pass filter 2 input 1 Post-filter after D/A convertor for digital delay
28	LPF2IN2	Input	Low pass filter 2 input 2 Post-filter after D/A convertor for digital delay
29	LPF2OUT	Output	Low pass filter 2 output Post-filter after D/A convertor for digital delay
30	VOLIN	Input	Echo effect/Echo feed back volume input To connect capacitor to reduce noise generated at time of volume change
31	LIN	Input	Lch line input
32	RIN	Input	Rch line input

ICK1 VHiM65856SP-1: Mic Amp. (M65856SP) (2/2)

Pin No.	Port Name	Input/Output	Function
33*	KEYCONIN	Input	Monaural input for external KEYCONTROL IC Input/Output interface terminal for external KEYCONTROL IC
34*	SOURCEOUT	Output	Monaural input for external KEYCONTROL IC Input/Output interface terminal for external KEYCONTROL IC
35	ROUT	Output	Rch mixing output
36	LOUT	Output	Lch mixing output
37	VCFIL	—	Vocal cut filter Processes frequencies lower then the vocal band
38*	PS1	Input	Phase shift input 1 Determines a constant at time of phase shift
39*	PS2	Input	Phase shift input 2 Determines a constant at time of phase shift
40	LATCH	Input	Latch input via serial bus
41	CLOCK	Input	Clock input via serial bus
42	DATA	Input	Data input via serial bus

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

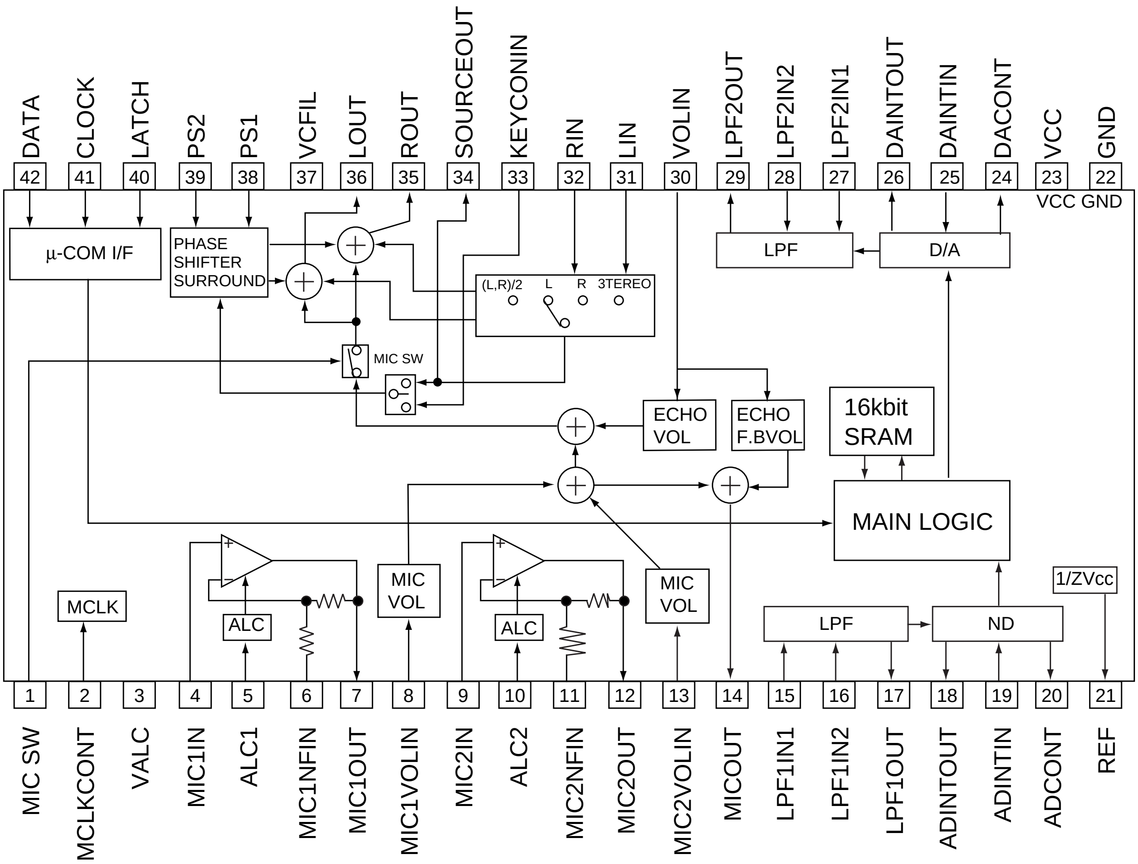
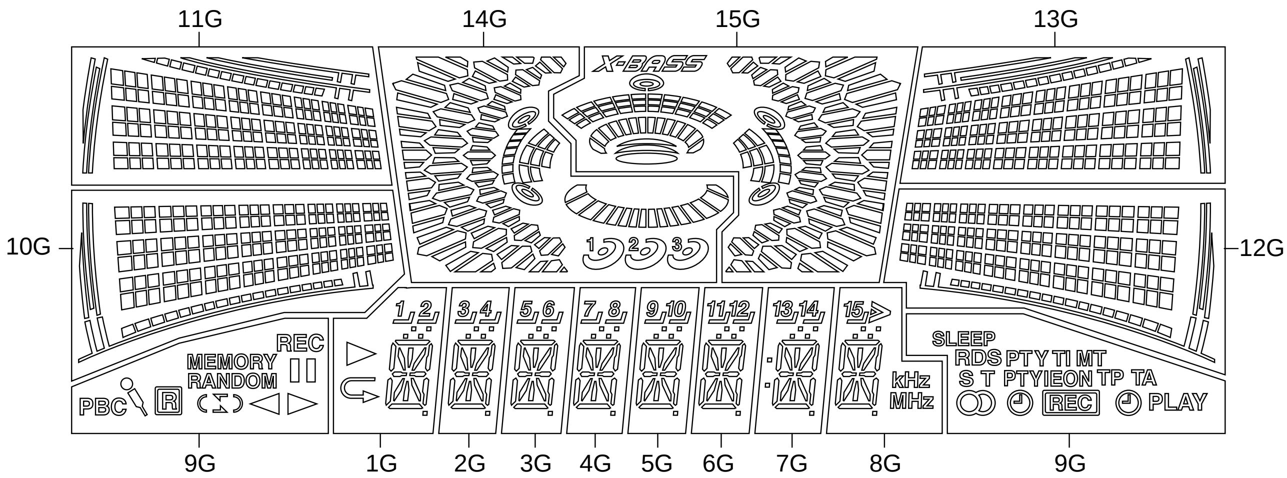
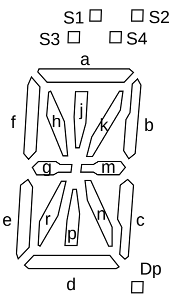


Figure 53 BLOCK DIAGRAM OF IC

FL701 VVKBJ744GNK-1: FL Display





(1G~8G)

PIN CONNECTION

PIN NO.	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	15G	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F1	F1	F1

PIN NO.	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21
CONNECTION	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NX	NX	NX	NX	NX	NX	NX	NX

PIN NO.	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
CONNECTION	F2	F2	F2	NP	NP	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13

Figure 54 FL DISPLAY

SHARP PARTS GUIDE

MODEL **CD-K7000W**
CD-C7000W
CP-C7000

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC .... Ceramic type
VCK .... Ceramic type
VCT .... Semiconductor type
VC • • MF .... Cylindrical type (without lead wire)
VC • • MN .... Cylindrical type (without lead wire)
VC • • TV .... Square type (without lead wire)
VC • • TQ .... Square type (without lead wire)
VC • • CY .... Square type (without lead wire)
VC • • CZ .... Square type (without lead wire)
VC • • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD .... Carbon-film type
VRS .... Carbon-film type
VRN .... Metal-film type
VR • • MF .... Cylindrical type (without lead wire)
VR • • MN .... Cylindrical type (without lead wire)
VR • • TV .... Square type (without lead wire)
VR • • TQ .... Square type (without lead wire)
VR • • CY .... Square type (without lead wire)
VR • • CZ .... Square type (without lead wire)
VR • • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

CD-K7000W/C7000W

INTEGRATED CIRCUITS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
IC1	VHILA9235M/-1	J	AQ	Servo Amp.,LA9235M
IC2	VHILC78641E-1	J	AV	Servo/Signal Control,LC78641E
IC3	VHIM63001FP-1	J	AX	Focus/Tracking/Spin/Sled Driver, M63001FP
IC99	VHPTOTX178A-1	J	AP	Optical Fiber Data Link, TOTX178A
IC101	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC401	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
IC561~563	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
IC601	VHILC75341/-1	J	AM	Audio Processor,LC75341
IC701	RH-IX0334AWZZ	J	AX	System Microcomputer, IX0334AW
IC702,703	VHIBU2092F/-1	J	AM	Input/Output Expander,BU2092F
IC704	VHIKIA7042AP1	J	AC	Reset,KIA7042AP
IC860	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
IC901	VHISTK4115G-1	J	BP	Power Amp.,STK4115G
ICK1	VHIM65856SP-1	J	AX	Mic Amp.,M65856SP [CD-K7000W Only]

TRANSISTORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
Q1	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q2	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q3	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q103~106	VS2SC1845F/-1	J	AC	Silicon,NPN,2SC1845 F
Q107,108	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q110,111	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q121,122	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q124	VS2SA1015GR-1	J	AB	Silicon,PNP,2SA1015 GR
Q126	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q128	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q302	VSKTC3194Y/-1	J	AD	Silicon,NPN,KTC3194 Y
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q401	VSKRA107M//-1	J	AE	Digital,PNP,KRA107 M
Q402	VS2SK246GR/-1	J	AB	FET,2SK246 GR
Q603~606	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q701~703	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q704,705	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q706,707	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q708	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q709	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q710~712	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q713~716	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q801	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05
Q802	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q803	VSKTA1274Y/-1	J	AE	Silicon,PNP,KTA1274 Y
Q850	VSKTC2026//-1	J	AF	Silicon,NPN,KTC2026
Q851	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810 AP
Q852	VHIKIA7805P-1	J	AF	Voltage Regulator,KIA7805 P
Q862,863	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q864	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q865	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q901~904	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q905	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q907	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q910,911	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
QK1	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y [CD-K7000W Only]
QK2,3	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR [CD-K7000W Only]

DIODES

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
D21,22	VHD1SS133//-1	J	AA	Silicon,1SS133
D301~305	VHD1SS133//-1	J	AA	Silicon,1SS133
D401	VHD1SS133//-1	J	AA	Silicon,1SS133
D561~566	VHD1SS133//-1	J	AA	Silicon,1SS133
D601,602	VHD1SS133//-1	J	AA	Silicon,1SS133
D707	VHD1SS133//-1	J	AA	Silicon,1SS133
D708	VHD1SS133//-1	J	AA	Silicon,1SS133 [CD-C7000W Only]
D709,710	VHD1SS133//-1	J	AA	Silicon,1SS133 [CD-K7000W Only]
D711	VHD1SS133//-1	J	AA	Silicon,1SS133 [CD-C7000W Only]
D712~718	VHD1SS133//-1	J	AA	Silicon,1SS133
D720~724	VHD1SS133//-1	J	AA	Silicon,1SS133
D801	VHD1SS133//-1	J	AA	Silicon,1SS133
D802~805	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D806~808	VHD1SS133//-1	J	AA	Silicon,1SS133
⚠ D809	VHDTS6B04GM-1	J	AP	Silicon,TS6B04GM
⚠ D810	VHDD10XB60F-1	J	AL	Silicon,D10XB60F
⚠ D811~814	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D815~818	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D860~862	VHD1SS133//-1	J	AA	Silicon,1SS133
D901,902	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D903,904	VHD1SS133//-1	J	AA	Silicon,1SS133
D905,906	VHD1N5402M/-1	J	AE	Silicon,1N5402M
D907~913	VHD1SS133//-1	J	AA	Silicon,1SS133
DK1,2	VHD1SS133//-1	J	AA	Silicon,1SS133 [CD-K7000W Only]
LED701~712	VHP4204UYT7-1	J	AD	LED,Yellow,4204UYT7
LED713~715	VHP4204UGT7-1	J	AD	LED,Green,4204UGT7
LED716	VHP4204UYT7-1	J	AD	LED,Yellow,4204UYT7
LED722	VHP4204SRT7-1	J	AD	LED,Red,4204SRT7
ZD61	VHEDZ3R9BSB-1	J	AC	Zener,3.9V,DZ3.9BSB
ZD351	VHEMTZJ5R1B-1	J	AC	Zener,5.1V,MTZJ5.1B
ZD561	VHEMTZJ6R2C-1	J	AC	Zener,6.2V,MTZJ6.2C
ZD801	VHEMTZJ360C-1	J	AB	Zener,36V,MTZJ36C
ZD802	VHEMTZJ6R2A-1	J	AA	Zener,6.2V,MTZJ6.2A
ZD901,902	VHEMTZJ130B-1	J	AC	Zener,13V,MTZJ13B
ZD951	VHEMTZJ130B-1	J	AC	Zener,13V,MTZJ13B
ZDK1	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B [CD-K7000W Only]

FILTERS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF303	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

TRANSFORMERS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
T301	RCILB0065AWZZ	J	AC	OSC,FM
T302	RCILI0017AWZZ	J	AB	FM IF
T303	RCILA0052AWZZ	J	AE	AM Antenna
T306	RCILB0058AWZZ	J	AC	OSC,AM
T351	RCILI0019AWZZ	J	AD	AM IF
⚠ T801	RTRNP0311AWZZ	J	BN	Power
⚠ T802	RTRNP0239AWZZ	J	AP	Power

COILS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
L61	VP-XHR82K0000	J	AC	0.82 µH
L62	VP-DH2R2K0000	J	AB	2.2 mH,Peaking
L99	VP-DH2R2K0000	J	AB	2.2 mH,Peaking
L103	VP-DH101K0000	J	AB	100 µH,Choke
L104	VP-MK331K0000	J	AB	330 µH,Choke
L312	RCILR0056AWZZ	J	AB	FM RF
L351,352	VP-DH101K0000	J	AB	100 µH,Choke
L701	VP-DH101K0000	J	AB	100 µH,Choke
L901~904	RCILZ0137AFZZ	J	AA	0.29 µH

VARIABLE RESISTORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
VRK1	92LVRR1674A	J	AF	20 kohms (B),Semi-VR [Mic 1 Volume] [CD-K7000W Only]
VRK2	92LVRR1674A	J	AF	20 kohms (B),Semi-VR [Mic 2 Volume] [CD-K7000W Only]

VARIABLE CAPACITORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCSVC211C/-1	J	AG	Variable Capacitance,SVC211C

VIBRATORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
XL1	RCRSP0005AWZZ	J	AF	Crystal,16.9344 MHz
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.1943 MHz

CAPACITORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C6	VCEAZA0JW107M	J	AC	100 µF,6.3V,Electrolytic
C7	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C8	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C11	RC-EZY476AF0J	J	AB	47 µF,6.3V,Electrolytic
C12	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C13	VCKYTV1HB103K	J	AA	0.01 µF,50V
C14	VCFYDA1HA334J	J	AC	0.33 µF,50V,Polyester
C17	VCKYTV1HB472K	J	AA	0.0047 µF,50V
C18	VCCCTV1HH3R0C	J	AA	3 pF (CH),50V
C20,21	VCTYPA1CX104K	J	AB	0.1 µF,16V
C22	VCKYTV1HB101K	J	AA	100 pF,50V
C23	VCTYPA1CX473K	J	AA	0.047 µF,16V
C24	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C25	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C26	VCTYPA1CX473K	J	AA	0.047 µF,16V
C27	VCKYBT1HF104Z	J	AA	0.1 µF,50V
C28	VCEAZA1AW476M	J	AB	47 µF,10V,Electrolytic
C29,30	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C31	VCEAZA0JW107M	J	AC	100 µF,6.3V,Electrolytic
C34	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C35	VCCSPA1HL8R0J	J	AB	8 pF,50V
C36	VCCSPA1HL100J	J	AA	10 pF,50V
C38,39	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C40	VCKYTV1HB152K	J	AA	0.0015 µF,50V
C41	VCEAZA0JW107M	J	AC	100 µF,6.3V,Electrolytic
C42	VCCCTV1HH680J	J	AA	68 pF (CH),50V
C43	VCKYTV1HB152K	J	AA	0.0015 µF,50V
C44	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C45	VCEAZA0JW107M	J	AC	100 µF,6.3V,Electrolytic
C46	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C47	VCEAZA0JW107M	J	AC	100 µF,6.3V,Electrolytic
C49,50	VCEAZA0JW107M	J	AC	100 µF,6.3V,Electrolytic
C51	VCEAZA1AW476M	J	AB	47 µF,10V,Electrolytic
C52	VCTYPA1CX103K	J	AA	0.01 µF,16V
C53	VCKYTV1HB102K	J	AA	0.001 µF,50V
C54	VCEAZA1AW476M	J	AB	47 µF,10V,Electrolytic
C55	VCKYTV1HB103K	J	AA	0.01 µF,50V
C56	VCEAZA0JW337M	J	AC	330 µF,6.3V,Electrolytic
C64	RC-EZY476AF0J	J	AB	47 µF,6.3V,Electrolytic
C71	VCKYTV1HB101K	J	AA	100 pF,50V
C72	VCKYTV1HB103K	J	AA	0.01 µF,50V
C73~78	VCKYTV1HB101K	J	AA	100 pF,50V
C80~83	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C98	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C99	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C101,102	VCKYMN1HB561K	J	AA	560 pF,50V
C105	VCKYBT1HB181K	J	AA	180 pF,50V
C106	VCKYMN1HB181K	J	AA	180 pF,50V
C107,108	VCKYMN1HB561K	J	AA	560 pF,50V
C109	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C111~114	VCKYMN1HB331K	J	AA	330 pF,50V
C115,116	VCEAZA1EW107M	J	AB	100 µF,25V,Electrolytic
C117,118	VCTYPA1EX333K	J	AA	0.033 µF,25V
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V
C121,122	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C123,124	VCKYPA1HB222K	J	AA	0.0022 µF,50V
C127	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C128	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C131,132	VCKYMN1HB271K	J	AA	270 pF,50V
C133,134	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C135,136	VCTYPA1CX223K	J	AA	0.022 µF,16V
C139,140	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C141,142	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C145	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C146	VCEAZA1AW227M	J	AC	220 µF,10V,Electrolytic
C150	VCQPKA2AA822J	J	AA	0.0082 µF,100V,Polypropylene
C151	VCQYKA1HM393K	J	AB	0.039 µF,50V,Mylar
C152	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C153	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C154	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C301	VCKYMN1HB102K	J	AA	0.001 µF,50V
C303	VCCCMN1HH100J	J	AA	10 pF (CH),50V
C304	VCTYMN1CY103N	J	AA	0.01 µF,16V
C305	VCCUMN1HJ4R7D	J	AA	4.7 pF (UJ),50V
C306	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C307	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C308	VCCUMN1HJ4R7D	J	AA	4.7 pF (UJ),50V
C309	VCKYMN1HB102K	J	AA	0.001 µF,50V
C310	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C311	VCCSMN1HL180J	J	AA	18 pF,50V
C312	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C313	VCCCMN1HH220J	J	AA	22 pF (CH),50V
C314,315	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C316	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C317	VCKYMN1HB102K	J	AA	0.001 µF,50V
C318	VCKYMN1HB101K	J	AA	100 pF,50V
C323	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C324	VCCUMN1HJ3R9K	J	AA	3.9 pF (UJ),50V
C330	VCCSMN1HL150J	J	AA	15 pF,50V
C331	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C332	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C334	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C335	VCKYMN1HB561K	J	AA	560 pF,50V
C338	VCKYMN1HB102K	J	AA	0.001 µF,50V
C342	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C350,351	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C352	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C353,354	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C355	VCCCMN1HH220J	J	AA	22 pF (CH),50V
C356	VCKYMN1HB102K	J	AA	0.001 µF,50V
C357	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C358	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C361	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C362	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C363	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C364	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C365	VCTYPA1CX223K	J	AA	0.022 µF,16V
C366	VCKYMN1HB102K	J	AA	0.001 µF,50V
C367,368	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C369	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C370~372	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C373,374	VCTYPA1CX153K	J	AA	0.015 µF,16V
C380	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C385	VCTYMN1CY103N	J	AA	0.01 µF,16V
C386	VCKYMN1HB331K	J	AA	330 pF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C388	VCKYMN1HB102K	J	AA	0.001 µF,50V
C391	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C392	VCKYMN1HB102K	J	AA	0.001 µF,50V
C393	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C394	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C396	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C397	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C398	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C399	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C401,402	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C403,404	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C405,406	VCCCMN1HH220J	J	AA	22 pF (CH),50V
C407,408	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C409	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C410	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C411	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C412,413	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C561,562	VCKYMN1HB271K	J	AA	270 pF,50V
C563	VCTYMN1CX682K	J	AA	0.0068 µF,16V
C564,565	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C566	VCTYMN1CX682K	J	AA	0.0068 µF,16V
C567,568	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C569	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C570,571	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C572	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C573	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C574~577	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C578,579	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C602	VCEAZA1HW226M	J	AB	22 µF,50V,Electrolytic
C604	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C606	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C607~610	VCFYHA1HA104J	J	AB	0.1 µF,50V,Thin Film
C611,612	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C613,614	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C615,616	VCKYMN1HB102K	J	AA	0.001 µF,50V
C617~620	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C621,622	VCEAZA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C623~630	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C631,632	VCKYMN1HB391K	J	AA	390 pF,50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C635,636	VCKYMN1HB102K	J	AA	0.001 µF,50V
C637	VCKYPA1HB102K	J	AA	0.001 µF,50V
C709	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C715	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C716,717	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C719	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C720,721	VCKYBT1HB102K	J	AA	0.001 µF,50V
C722	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C723	VCCSMN1HL150J	J	AA	15 pF,50V
C724	VCCSMN1HL180J	J	AA	18 pF,50V
C725	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C726	RC-EZD227AF1A	J	AC	220 µF,10V,Electrolytic
C727	RC-EZD104AF1H	J	AB	0.1 µF,50V,Electrolytic
C728	VCTYMN1CY103N	J	AA	0.01 µF,16V
C729	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C730	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C731	RC-EZD106AF1H	J	AB	10 µF,50V,Electrolytic
C732	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C733	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C734	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C735	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C736	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C737	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C801	RC-KZ002LAWZZ	J	AE	0.0047 µF,250V,Ceramic
C802	VCQYKA1HM473J	J	AB	0.047 µF,50V,Mylar
C803	VCEAZV1VW477M	J	AD	470 µF,35V,Electrolytic
C804	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C805	VCEAZV0JW228M	J	AC	2200 µF,6.3V,Electrolytic
C809,810	VCFYDA1HA224J	J	AB	0.22 µF,50V,Polyester
C811,812	VCQYKU2AM224K	J	AB	0.22 µF,100V,Mylar
C813,814	VCFYDA1HA224J	J	AB	0.22 µF,50V,Polyester
C815,816	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C817	VCEAZV1JW227M	J	AC	220 µF,63V,Electrolytic
C818,819	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C820	VCEAZA1VW107M	J	AC	100 µF,35V,Electrolytic
C821	VCEAZV1JW107M	J		100 µF,63V,Electrolytic
C850	VCEAZW1EW338M	J	AG	3300 µF,25V,Electrolytic
C851	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C852	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C855,856	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C857	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C858,859	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C860	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C861,862	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C863,864	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C865	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C901,902	VCEAZW2AW338M	J		3300 µF,100V,Electrolytic
C903,904	RC-GZW478AF1H	J	AH	4700 µF,50V,Electrolytic
C911,912	VCCSPA1HL221J	J	AA	220 pF,50V
C913,914	VCCSPA1HL470J	J	AA	47 pF,50V
C915,916	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C917,918	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C919,920	VCEAZV2AW107M	J		100 µF,100V,Electrolytic
C921,922	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C923,924	VCQYKA1HM223J	J	AB	0.022 µF,50V,Mylar
C925	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C927~930	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film
C931~938	VCQYKA1HM223J	J	AB	0.022 µF,50V,Mylar
C943	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C945	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C946	VCEAZA0JW107M	J	AC	100 µF,6.3V,Electrolytic
C951	VCQYKA1HM223J	J	AB	0.022 µF,50V,Mylar
C952	VCEAZA1EW227M	J	AC	220 µF,25V,Electrolytic
C957	VCEAZV2AW107M	J		100 µF,100V,Electrolytic
CK1	VCTYPA1CX103K	J	AA	0.01 µF,16V [CD-K7000W Only]
CK2	VCFYHA1HA474J	J	AD	0.47 µF,50V,Thin Film [CD-K7000W Only]
CK3	RC-EZY475AF1H	J	AB	4.7 µF,50V,Electrolytic [CD-K7000W Only]
CK4	RC-EZY225AF1H	J	AB	2.2 µF,50V,Electrolytic [CD-K7000W Only]
CK5,6	VCFYDA1HA104J	J	AB	0.1 µF,50V,Thin Film [CD-K7000W Only]
CK7	VCFYHA1HA474J	J	AD	0.47 µF,50V,Thin Film [CD-K7000W Only]
CK8	RC-EZY475AF1H	J	AB	4.7 µF,50V,Electrolytic [CD-K7000W Only]
CK9	RC-EZY225AF1H	J	AB	2.2 µF,50V,Electrolytic [CD-K7000W Only]
CK10,11	VCFYDA1HA104J	J	AB	0.1 µF,50V,Thin Film [CD-K7000W Only]
CK12	RC-EZY225AF1H	J	AB	2.2 µF,50V,Electrolytic [CD-K7000W Only]
CK13	VCTYPA1CX472K	J	AA	0.0047 µF,16V [CD-K7000W Only]
CK14	VCTYPA1CX102K	J	AA	0.001 µF,16V [CD-K7000W Only]
CK15	VCQYKA1HM683K	J	AB	0.068 µF,50V,Mylar [CD-K7000W Only]
CK16	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film [CD-K7000W Only]
CK17	VCEAZA1AW227M	J	AC	220 µF,10V,Electrolytic [CD-K7000W Only]
CK18	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic [CD-K7000W Only]
CK19	VCKZPA1HF223Z	J	AA	0.022 µF,50V [CD-K7000W Only]
CK20	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film [CD-K7000W Only]
CK21	VCQYKA1HM683K	J	AB	0.068 µF,50V,Mylar [CD-K7000W Only]
CK22	VCTYPA1CX472K	J	AA	0.0047 µF,16V [CD-K7000W Only]
CK23	VCTYPA1CX102K	J	AA	0.001 µF,16V [CD-K7000W Only]
CK24~26	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic [CD-K7000W Only]
CK29,30	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic [CD-K7000W Only]
CK31	VCFYDA1HA154J	J	AB	0.15 µF,50V,Polyester [CD-K7000W Only]
CK33~35	VCCSPA1HL470J	J	AA	47 pF,50V [CD-K7000W Only]
CK41	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic [CD-K7000W Only]
CK42	VCKZPA1HF223Z	J	AA	0.022 µF,50V [CD-K7000W Only]
CK43,44	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic [CD-K7000W Only]
CK72	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic [CD-K7000W Only]
CK73,74	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic [CD-K7000W Only]

RESISTORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
	VRS-TV2AB000J	J	AA	0 ohm,Jumper,1.25×2mm,Green
R3	VRS-TV2AB473J	J	AA	47 kohms,1/10W
R4	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R5	VRS-TV2AB393J	J	AA	39 kohms,1/10W
R6	VRS-TV2AB273J	J	AA	27 kohms,1/10W
R7	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
R8	VRS-TV2AB331J	J	AA	330 ohms,1/10W
R10	VRS-TV2AB273J	J	AA	27 kohms,1/10W
R11	VRS-TV2AB123J	J	AA	12 kohms,1/10W
R12,13	VRS-TV2AB681J	J	AA	680 ohms,1/10W
R14	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R15	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R16	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R17	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R19	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R20	VRS-TV2AB221J	J	AA	220 ohms,1/10W
R21,22	VRS-TV2AB471J	J	AA	470 ohms,1/10W
R25	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R35	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R38	VRD-ST2CD271J	J	AA	270 ohms,1/6W
R39	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R40	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R42	VRS-TV2AB124J	J	AA	120 kohms,1/10W
R44	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R45	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R46	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R47	VRD-ST2EE3R3J	J	AA	3.3 ohms,1/4W
R48	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
R50	VRS-TV2AB470J	J	AA	47 ohms,1/10W
R51~54	VRS-TV2AB683J	J	AA	68 kohms,1/10W
R55,56	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R58	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R67,68	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R71~78	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R79	VRS-TV2AB155J	J	AA	1.5 Mohms,1/10W
R80	VRD-ST2CD105J	J	AA	1 Mohm,1/6W
R81,82	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R83,84	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R87	VRD-ST2CD121J	J	AA	120 ohms,1/6W
R94,95	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R101,102	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R103,104	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R105	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R106	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R107,108	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R109,110	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R111,112	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R113,114	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R115	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R117,118	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R119,120	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R121,122	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R123,124	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R125,126	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R131,132	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R134	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R135	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R136	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R137,138	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R139,140	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R141,142	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R145,146	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R153,154	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R155	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R156,157	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R158	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R160	VRD-RT2HD820J	J	AA	82 ohms,1/2W
R162	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R164	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R166	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R167	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R168	VRD-ST2CD4R7J	J	AA	4.7 ohms,1/6W
R302	VRD-MN2BD100J	J	AA	10 ohm,1/8W
R309	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R311	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R313	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R314	VRD-ST2CD220J	J	AA	22 ohms,1/6W
R316	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R322	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R323	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R325	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R327	VRD-MN2BD330J	J	AA	33 ohms,1/8W
R336	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R350	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R357	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R358	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R360	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R361,362	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R363,364	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R365	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R370	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R372~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R375	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R376	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R377	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R378	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R383	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R384	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R385	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R386	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R387	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R388	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R391,392	VRD-ST2EE271J	J	AA	270 ohms,1/4W
R393	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R395	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R401,402	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R403	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R404	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R405,406	VRD-MN2BD821J	J	AA	820 ohms,1/8W
R407~410	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R411~414	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R415	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R416	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R417	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R418	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R419	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R420	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R561	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R562	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R563	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R564	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R565	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R566	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R567,568	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W
R569,570	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R573	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R574	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R575	VRD-MN2BD154J	J	AA	150 kohms,1/8W
R576	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R577	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R578	VRD-MN2BD154J	J	AA	150 kohms,1/8W
R579	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R580	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R581	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R582	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R583	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R584	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R585,586	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R587,588	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R589,590	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R605,606	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R607,608	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R609,610	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R611,612	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R613,614	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R615,616	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R617,618	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R619	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R620	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R621,622	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R631,632	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R633,634	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R637	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R638	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R700	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R701	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R702	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R704	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R705	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R706~709	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R710	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R712	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R713~715	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R716	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R717	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R719	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R724	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R725,726	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R730	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R732	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R733	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R734	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R735	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R736,737	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R738	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R739	VRD-MN2BD474J	J	AA	470 kohms,1/8W
R740,741	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R742~744	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R746	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R747	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R748	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R749	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R750	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R751	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R752	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R753	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R754~756	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R757	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R758	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R759~762	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R763~765	VRD-MN2BD103J	J	AA	10 kohm,1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R766	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R767	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R768~772	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R773	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R775,776	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R777	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R778~781	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R782	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R783~786	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R787~790	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R791	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R793	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R794	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R795	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R796	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R797	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R798	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R799	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R801	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R802	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R803	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R804	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R805	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R809	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R850	VRD-RT2HD3R3J	J	AA	3.3 ohms,1/2W
R851	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R852	VRD-ST2EE223J	J	AA	22 kohms,1/4W
R853	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R854	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R855	VRD-RT2HD3R3J	J	AA	3.3 ohms,1/2W
R860	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R861	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R862,863	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R864	VRD-MN2BD154J	J	AA	150 kohms,1/8W
R868,869	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R870	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R871	VRD-ST2EE103J	J	AA	10 kohm,1/4W
R872,873	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R874	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R875	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R878,879	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R880	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R901,902	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R903,904	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R905,906	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R907,908	VRD-ST2CD391J	J	AA	390 ohms,1/6W
R909,910	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R911	VRD-ST2CD333J	J	AA	33 kohms,1/6W
⚠ R912,913	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R915,916	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R917,918	VRN-VV3LAR10J	J		0.1 ohm,3W
R919,920	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R921,922	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R923	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R925~928	VRD-RT2HD100J	J	AA	10 ohm,1/2W
R929,930	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R931,932	VRD-RT2HD4R7J	J	AA	4.7 ohms,1/2W
R933,934	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R936	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R937	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R938	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R939	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R941,942	VRS-VV3DA561J	J	AC	560 ohms,2W
R943	VRS-VV3DA681J	J	AC	680 ohms,2W
R945,946	VRD-RT2HD3R9J	J	AA	3.9 ohms,1/2W
R947,948	VRD-RT2HD5R6J	J	AA	5.6 ohms,1/2W
R949	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R950	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R959	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R960	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R961,962	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RD01	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD02	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD03	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD04	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD05	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD06	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RD07	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD08	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RD09	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD10	VRD-MN2BD183J	J	AA	18 kohms,1/8W
RD11	VRD-MN2BD333J	J	AA	33 kohms,1/8W
RD12	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RD13	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RD14	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD15	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD16	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD17	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RD18	VRD-ST2CD184J	J	AA	180 kohms,1/6W
RD25	VRD-ST2CD681J	J	AA	680 ohms,1/6W
RD26	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RD27	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD28	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD29	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD30	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
RD31	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD32	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RD33	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD34	VRD-ST2CD183J	J	AA	18 kohms,1/6W
RD35	VRD-ST2CD333J	J	AA	33 kohms,1/6W
RD36	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RK1	VRD-ST2CD103J	J	AA	10 kohm,1/6W [CD-K7000W Only]
RK2,3	VRD-ST2CD563J	J	AA	56 kohms,1/6W [CD-K7000W Only]
RK4	VRD-ST2CD103J	J	AA	10 kohm,1/6W [CD-K7000W Only]
RK5	VRD-ST2CD102J	J	AA	1 kohm,1/6W [CD-K7000W Only]
RK6	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W [CD-K7000W Only]
RK7	VRD-ST2CD102J	J	AA	1 kohm,1/6W [CD-K7000W Only]
RK8	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W [CD-K7000W Only]
RK9~11	VRD-ST2CD102J	J	AA	1 kohm,1/6W [CD-K7000W Only]
RK12	VRD-ST2CD101J	J	AA	100 ohm,1/6W [CD-K7000W Only]
RK13	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W [CD-K7000W Only]
RK14,15	VRD-RT2HD101J	J	AA	100 ohm,1/2W [CD-K7000W Only]
RK36,37	VRD-ST2CD102J	J	AA	1 kohm,1/6W [CD-K7000W Only]
RK38	VRD-ST2CD101J	J	AA	100 ohm,1/6W [CD-K7000W Only]
RK39,40	VRD-ST2CD102J	J	AA	1 kohm,1/6W [CD-K7000W Only]
RK41,42	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W [CD-K7000W Only]
RK43,44	VRD-ST2CD474J	J	AA	470 kohms,1/6W [CD-K7000W Only]
RK45,46	VRD-ST2CD102J	J	AA	1 kohm,1/6W [CD-K7000W Only]
RK47,48	VRD-ST2CD681J	J	AA	680 ohms,1/6W [CD-K7000W Only]
RS701	VRD-ST2CD471J	J	AA	470 ohms,1/6W
RS702~705	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS707	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RS708	VRD-MN2BD331J	J	AA	330 ohms,1/8W
RS710	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS712~717	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS718	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RS719	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RS720~722	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS723~725	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RS727,728	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS729,730	VRD-MN2BD681J	J	AA	680 ohms,1/8W

OTHER CIRCUITRY PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
BI4/CNS4	QCNWN1572AWZZ	J	AF	Connector Ass'y,6/6Pin
BI11/CNS11	QCNWN1540AWZZ	J	AF	Connector Ass'y,5/5Pin
BI99/CNS99	QCNWN1616AWZZ	J		Connector Ass'y,3/3Pin
BI102/CNS102	QCNWN1624AWZZ	J		Connector Ass'y,7/6Pin
BI703/CNS703	QCNWN1541AWZZ	J	AH	Connector Ass'y,10/10Pin
BI704/CNS704	QCNWN1561AWZZ	J	AF	Connector Ass'y,5/5Pin
BI705A/B	QCNWN1580AWZZ	J		Connector Ass'y,3/3Pin
BI801/CNS801	QCNWN1575AWZZ	J		Connector Ass'y,5/5Pin
BI802/CNS802	QCNWN1576AWZZ	J		Connector Ass'y,5/5Pin
BI803/CNS803	QCNWN1574AWZZ	J		Connector Ass'y,5/5Pin
BIK1/CNSK1	QCNWN1573AWZZ	J		Connector Ass'y,11/11Pin
CNP1	QCNCM704GAWZZ	J	AC	Plug,7Pin
CNP2	QCNCM704HAWZZ	J	AC	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin
CNP3A	92LCONE6P53254	J	AC	Plug,6Pin
CNP4	QCNCM705FAFZZ	J	AB	Plug,6Pin
CNP5	92LCONE3P53254	J	AB	Plug,3Pin
CNP11	92LCONE5P53254	J	AB	Plug,5Pin

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CNP12	92LCONEAP53254	J	AD	Plug,10Pin
CNP101	QCNCM705CAFZZ	J	AA	Plug,3Pin
CNP301	92LCONE2P5268	J	AB	Plug,2Pin
CNP601	92LCONEBP53253	J	AC	Plug,11Pin [CD-K7000W Only]
CNP701	QCNCWZX30AWZZ	J		Socket,30Pin
CNP704	92LCONE5P53254	J	AB	Plug,5Pin
CNP801	QCNCM051EAWZZ	J	AD	Plug,5Pin
CNP802	92LCONE5P5267X	J	AB	Plug,5Pin
CNP803	QCNCM049EAWZZ	J	AD	Plug,5Pin
CNP901	QCNCM010TAWZZ	J	AD	Plug,18Pin
CNP903	92LCONE2P53253	J	AB	Plug,2Pin
CNS1A/B	QCNWN1537AWZZ	J	AG	Connector Ass'y,7/7Pin
CNS2A/B	QCNWN1538AWZZ	J	AG	Connector Ass'y,8/8Pin
CNS3A/B	QCNWN1539AWZZ	J	AE	Connector Ass'y,6/6Pin
CNS701	QCNCWZF30AWZZ	J		Socket,30Pin
CNS702	QCNCWZY13AWZZ	J	AC	Plug,13Pin
CNS901	QCNCW010TAWZZ	J	AE	Socket,18Pin
CNS903	QCNWN1582AWZZ	J		Connector Ass'y,2Pin
⚠ F801	92LFUSET632E	J	AD	Fuse,T6.3A L 250V
⚠ F802,803	92LFUSET312E	J	AD	Fuse,T3.15A L 250V
⚠ F804,805	92LFUSET632E	J	AD	Fuse,T6.3A L 250V
⚠ F806	92LFUSET202E	J		Fuse,T2A L 250V
FFC701	QCNWN1581AWZZ	J		Flat Cable,30Pin
FFC702	QCNWN1544AWZZ	J	AE	Flat Cable,13Pin
FL701	VVKBJ744GNK-1	J	BD	FL Display
FW902	QCNWN1577AWZZ	J		Flat Wire,5Pin
JK1	QJAKJ0007AWZZ	J	AF	Jack,Mic 1
JK2	QJAKJ0007AWZZ	J	AF	Jack,Mic 2
JK601	QSOCJ0213AWZZ	J	AE	Jack,Video In
JK670	QJAKM0010AWZZ	J	AF	Jack,Headphones
JOG701	QSW-Z0010AWZZ	J	AF	Switch,Rotary Type [JOG]
⚠ K801,802	92LLUG1746A	J	AA	Lug,Terminal
LG901	QLUGP0001AWZZ	J	AC	Lug
LUG1	QLUGP0002AWZZ	J	AB	Lug
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
M3	92LTWMEN7E6Y	J	AR	Motor with Worm Pulley [T/T Up/Down Loading]
M701	RMOTV0027AWZZ	J	AM	Motor,Volume
M901	RMOTV0027AWZZ	J	AM	Motor,Air Cooling Fan
PIN103	QLUGP0002AWZZ	J	AB	Lug
PINK1	QLUGP0002AWZZ	J	AB	Lug
RL801	RRLYD0012AWZZ	J	AM	Relay
RL901	RRLYD0004AWZZ	J	AP	Relay
RX701	VHLN63H380A-1	J	AK	Remote Sensor,N63H380A
SO302	QTANC0204AWZZ	J		FM Antenna Terminal
SO901	QTANA0401AWZZ	J	AG	Terminal,Speaker
SW1	SWMPU10780MLB	J		Switch,Push Type [Open/Close]
SW2	SWMPU11470MLB	J		Switch,Push Type [Clamp]
SW3	SWMPU11470MLB	J		Switch,Push Type [Disc Number]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]
SW601	QSW-S0024AWZZ	J	AE	Switch,Slide Type [SPAN SELECTOR]
SW701	92LSWICHT1663T	J	AC	Switch,Key Type [ON/STAND-BY]
SW702	92LSWICHT1663T	J	AC	Switch,Key Type [CLOCK]
SW703	92LSWICHT1663T	J	AC	Switch,Key Type [TIMER/SLEEP]
SW709	92LSWICHT1663T	J	AC	Switch,Key Type [DISC 1]
SW710	92LSWICHT1663T	J	AC	Switch,Key Type [DISC 2]
SW711	92LSWICHT1663T	J	AC	Switch,Key Type [DISC 3]
SW712	92LSWICHT1663T	J	AC	Switch,Key Type [DISC SKIP]
SW713	92LSWICHT1663T	J	AC	Switch,Key Type [OPEN/CLOSE]
SW714	92LSWICHT1663T	J	AC	Switch,Key Type [DIMMER]
SW715	92LSWICHT1663T	J	AC	Switch,Key Type [X-BASS/DEMO]
SW716	92LSWICHT1663T	J	AC	Switch,Key Type [EQUALIZER]
SW717	92LSWICHT1663T	J	AC	Switch,Key Type [SURROUND]
SW718	92LSWICHT1663T	J	AC	Switch,Key Type [REV MODE]
SW719	92LSWICHT1663T	J	AC	Switch,Key Type [CD]
SW723	92LSWICHT1663T	J	AC	Switch,Key Type [TAPE]
SW724	92LSWICHT1663T	J	AC	Switch,Key Type [TUNING DOWN]
SW725	92LSWICHT1663T	J	AC	Switch,Key Type [MEMORY/SET]
SW726	92LSWICHT1663T	J	AC	Switch,Key Type [TRACK DOWN/REVIEW/ PRESET DOWN/REWIND]
SW727	92LSWICHT1663T	J	AC	Switch,Key Type [TRACK UP/CUE/PRESET UP/ FAST FORWARD]
SW728	92LSWICHT1663T	J	AC	Switch,Key Type [PLAY]
SW729	92LSWICHT1663T	J	AC	Switch,Key Type [STOP]
SW730	92LSWICHT1663T	J	AC	Switch,Key Type [REVERSE PLAY]
SW731	92LSWICHT1663T	J	AC	Switch,Key Type [REC PAUSE]
SW732	92LSWICHT1663T	J	AC	Switch,Key Type [TUNING UP]
SW733	92LSWICHT1663T	J	AC	Switch,Key Type [VIDEO/AUX]
SW734	92LSWICHT1663T	J	AC	Switch,Key Type [TUNER (BAND)]
⚠ SW801	QSOCE0008AWZZ	J	AH	Switch,Slide Type [Voltage Selector]
WT601	QCNCW012EAWZZ	J	AC	Plug,5Pin

CD MECHANISM PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Warm Gear,Drive
303	MLEVP0080AWZZ	J	AC	Rail,Guide
304	NSFTM0020AWFW	J	AD	Shaft,Guide
305	92LM-CUSN1524A	J	AC	Cushion
⚠ 306	92LHPC1LXASY	J	BD	Pickup Unit Ass'y
306- 1	————		—	Pickup Unit (Not Replacement Item)
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack
701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm
702	XHBSD20P05000	J	AA	Screw,ø2×5mm
703	XBBSD20P03000	J	AA	Screw,ø2×3mm
704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×ø3.8×0.25mm
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]

CABINET PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
201	92LCAB3307AASY	J		Front Panel Ass'y [CD-C7000W]
201	92LCAB3352AASY	J		Front Panel Ass'y [CD-K7000W]
201- 1	————		—	Front Panel (Not Replacement Item)
201- 2	GDORF0074AWSA	J	AE	Holder,Cassette,Tape 1
201- 3	GDORF0075AWSA	J	AE	Holder,Cassette,Tape 2
201- 4	GCOVA1251AWSA	J	AH	Cover,Cassette,Tape 1
201- 5	GCOVA1298AWSA	J	AE	Cover,Cassette,Tape 2
201- 6	HDECQ0521AWSA	J	AD	Panel,Cassette,Tape 1
201- 7	HDECQ0522AWSA	J	AD	Panel,Cassette,Tape 2
201- 8	HDECQ0565AWSA	J		Panel,Amp. [CD-K7000W]
201- 8	HDECQ0571AWSA	J		Panel,Amp. [CD-C7000W]
201- 9	HDECQ0566AWSA	J		Decoration Plate
201-10	JKNBZ0665AWSA	J	AF	Knob,Disc Control
201-11	JKNBZ0683AWSA	J	AG	Knob,Center Operation
201-12	JKNBZ0714AWSA	J	AF	Knob,ON/Stand-by/Clock
201-13	JKNBZ0672AWSA	J	AF	Knob,Function,A
201-14	JKNBZ0673AWSA	J	AF	Knob,Function,B
201-15	JKNBZ0660AWSA	J	AF	Knob,Tuning
201-16	JKNBZ0661AWSA	J	AE	Knob,Dimmer
201-17	HDECQ0526AWSA	J	AE	Volume Light Up Ring
201-19	GCOVA1265AWZZ	J	AC	Cover,Function LED Top A
201-20	GCOVA1258AWSA	J	AB	Cover,Power LED
201-21	MLIFP0008AWZZ	J	AD	Damper
201-22	MSPRD0138AWFJ	J		Spring,Cassette,Tape 1
201-23	MSPRD0127AWFJ	J	AB	Spring,Cassette,Tape 2
201-24	92LBADGE1671A	J	AC	Badge,SHARP
201-25	JKNBZ0710AWSA	J	AE	Knob,Surround
201-26	GCOVA1266AWZZ	J	AC	Cover,Function LED Top B
201-27	GCOVA1267AWZZ	J	AC	Cover,Function LED Top C
201-28	GCOVA1268AWZZ	J	AC	Cover,Function LED Top D
201-29	GCOVA1260AWSA	J	AB	Cover,Control LED Top A
201-30	GCOVA1275AWSA	J	AB	Cover,Control LED Top B
201-31	GCOVA1276AWSA	J	AB	Cover,Control LED Top C
201-32	GCOVA1256AWSA	J	AB	Cover,Preset LED Top
201-33	GCOVA1277AWSA	J	AB	Cover,Operation LED Top A
202	92LCAB3303BASY	J		Side Panel Ass'y,Left
202- 1	————		—	Side Panel,Left (Not Replacement Item)
202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
203	92LCAB3303CASY	J		Side Panel Ass'y,Right
203- 1	————		—	Side Panel,Right (Not Replacement Item)
203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
204	92LCOV3303AASY	J		CD Tray Cover Ass'y
204- 1	————		—	Cover,CD Tray (Not Replacement Item)

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
204- 2	GCOVA1254AWSA	J	AE	Cover,CD Tray Panel,Left
204- 3	GCOVA1255AWSA	J	AE	Cover,CD Tray Panel,Right
205	GCAB-1184AWSA	J	AP	Top Cabinet
206	GITAR0567AWSA	J		Rear Panel [CD-K7000W]
206	GITAR0574AWSA	J		Rear Panel [CD-C7000W]
207	92LKNOB3352BAS	J		Volume Knob Ass'y
207- 1	————		—	Knob,Volume (Not Replacement Item)
207- 2	GCOVA1300AWZZ	J	AC	Reflector A
207- 3	PSHEP0037AWZZ	J	AC	Sheet,Reflector A
207- 4	92LCSPR1431C	J	AA	Spring,Ring
208	LANGK0110AWFW1	J	AD	Bracket,Cassette Lock,Tape 1
209	LANGK0111AWFW1	J	AD	Bracket,Cassette Lock,Tape 2
210	LANGK0188AWFW	J	AF	Bracket,Fan Support
212	LBSHC0002AWZZ	J	AD	Bushing,AC Power Supply Cord
213	LCHSM0102AWFW	J		Main Chassis
214	LHLDZ1242AWZZ	J	AE	Holder,FL Display
219	MLOKC0003AWZZ	J	AD	Lock Lever,Cassette,Tape 1
220	MLOKC0004AWZZ	J	AD	Lock Lever,Cassette,Tape 2
221	MSPRD0109AWFJ	J	AB	Spring,Cassette Lock,Tape 1
222	MSPRD0110AWFJ	J	AB	Spring,Cassette Lock,Tape 2
223	NFANP0001AWZZ	J	AD	Rotary Fan
224	92LPT0331105	J	AM	Turntable
225	PCUSG0022AWZZ	J	AB	Cushion,Leg
226	PRDAR0157AWFW	J		Heat Sink,Main
227	PRDAR0161AWFW	J		Heat Sink,Sub,C
228	PRDAR0159AWFW	J		Heat Sink,Sub,B
⚠ 229	QACCA0003AW00	J		AC Power Supply Cord [For Saudi Arabia]
⚠ 229	QACCB0006AW00	J	AU	AC Power Supply Cord [CD-K7000W for Hong Kong]
⚠ 229	QACCE0010AW00	J	AK	AC Power Supply Cord [Except for Saudi Arabia/ Australia/New Zealand/ Argentine/CD-K7000W Except for Hong Kong/Taiwan]
⚠ 229	QACCJ0007AW00	J		AC Power Supply Cord [CD-K7000W for Taiwan]
⚠ 229	QACCL0005AW00	J	AN	AC Power Supply Cord [For Australia/New Zealand]
⚠ 229	QACCZ0007AWZZ	J		AC Power Supply Cord [For Argentine]
230	QCNWN1615AWZZ	J	AC	Lug Wire
⚠ 231	QFSHD0001AWZZ	J	AB	Holder,Fuse
232	92LBE241414	J	AD	Belt
233	92LCSPR1431C	J	AA	Spring,Ring
234	92LEVA0330702	J		Velvet Carpet,Cushion
235	92LMAG0104302	J		Magnet
237	92LNBAND1318A	J	AA	Nylon Band,80mm
238	92LNM0305401	J		Velvet Carpet
239	92LPT0303002	J	AB	Roller
240	92LPT0304303	J	AB	Lever,Stop
241	92LPT0304304	J		Stopper
242	92LPT0304305	J	AE	Lever,Lock
243	92LPT0304306	J		Stabilizer
244	92LPT0304307	J	AC	Support,Cam
245	92LPT0304308	J		Lock Gear Pin
246	92LPT0304309	J		Cap,Pulley Stopper
247	92LPT0305413	J		Cam Gear Lower
248	92LPT0309506	J	AD	Gear,Turntable Drive
249	92LPT0309507	J	AD	Gear,Open/Close Drive
250	92LPT0309508	J	AD	Gear,Planet
251	92LPT0309509	J	AD	Gear,Drive
252	92LPT0309510	J	AE	Gear,Pulley
253	92LPT0309511	J	AD	Gear,Middle
254	92LPT0311101	J	AB	Lever,Clamp
255	92LPT0311102	J	AC	Lever,Disc
256	92LPT0312005	J		Gear,Cam
257	92LPT0320201	J	AE	Support,Stabilizer
258	92LPT0330301	J	AU	Chassie
259	92LPT0330803	J	AK	CD,Chassis
260	92LPT0331003	J	AT	Chassis,Slide
262	92LSP0304303	J		Spring,Stopper
263	92LSP0304305	J	AB	Spring,Lock Lever
264	92LSP0304306	J		Spring,Lock Gear
265	KMECB0013AWZZ	J	BK	Tape Mechanism Ass'y
266	92LMT0304302	J		Metal Plate
267	LANGK0057AWFW	J	AE	Bracket,Heat Sink,A
268	LANGK0058AWFW	J	AE	Bracket,Heat Sink,B
269	PSLDM5003AWFW	J		Shield,Power Transformer
270	PRDAR0158AWFW	J		Heat Sink,Sub,A
271	LHLDZ1259AWZZ	J		Holder,Surround LED
272	LHLDZ1247AWZZ	J	AE	Holder,Function LED
273	LHLDZ1253AWZZ	J		Holder,Operation LED
274	LHLDZ1252AWZZ	J		Holder,Disc Number LED
275	LHLDZ1258AWZZ	J		Holder,Volume LED
276	PGIDM0029AWZZ	J		Guide,Volume
277	LCHSZ0016AWZZ	J		Volume Chassis
278	NBLTK0036AWZZ	J	AC	Belt,Drive
279	NGERH0093AWZZ	J	AE	Wheel,Volume
280	LHLDZ1257AWZZ	J		Holder,Volume
281	LANGK0196AWFW	J		Bracket,Chassis Support
282	PSHEP0042AWZZ	J		Spacer,Operation Knob,A
283	PSHEP0043AWZZ	J		Spacer,Operation Knob,B
284	PSHEM0008AWZZ	J		Sheet,Shield
285	JKNBK0012AWSG	J	AK	Knob,Karaoke [CD-K7000W Only]
286	QCNWN1654AWZZ	J		Lug Wire
287	92LCAUT1706A1	J	AC	Label,Class 3 Laser
288	92LCAUT1706B	J	AA	Label,Laser
289	TSPC-0671AWZZ	J		Label,Specifications [CD-K7000W for Taiwan]
289	TSPC-0672AWZZ	J		Label,Specifications [CD-K7000W for Thailand]
289	TSPC-0673AWZZ	J		Label,Specifications [CD-C7000W]
290	LANGK0209AWFW	J		Bracket,Sub Heat Sink Support
291	PSPAZ0022AWZZ	J		Spacer
292	NPLYM0017AWZZ	J		Volume Gear
293	NGERW0012AWZZ	J		Warm Gear
601	XBBSD20P04000	J	AA	Screw,ø2×4mm
604	XEBSF30P12000	J	AA	Screw,ø3×12mm
605	XESSD30P10000	J	AA	Screw,ø3×10mm
606	XHBSD26P04000	J	AA	Screw,ø2.6×4mm
607	XHBSD30P06000	J	AA	Screw,ø3×6mm
608	XJBSD30P10000	J	AA	Screw,ø3×10mm
609	XJBSD30P14000	J	AA	Screw,ø3×14mm
610	XJBSF30P10000	J	AA	Screw,ø3×10mm
611	XJSSD30P10000	J	AA	Screw,ø3×10mm
612	LX-BZ2222AXZZ	J		Screw,Special
614	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
616	92LSC0308MBZI	J	AB	Screw,ø3×8mm
617	LX-HZ0169AFFD	J	AA	Screw,ø4×8mm
618	LX-LZ0012AWZZ	J	AB	Holder,PWB
619	XEBSD30P12000	J	AA	Screw,ø3×12mm
620	LX-HZ0009AWFD	J	AC	Screw,Special
621	LX-JZ0022AFFD	J	AA	Screw,ø3×10mm
622	XJBSD30P06000	J	AA	Screw,ø3×6mm
623	XWHSD26-05100	J	AA	Washer
624	XBBSD20P05000	J	AA	Screw,ø2×5mm
625	XJBSD30P12000	J	AA	Screw,ø3×12mm

ACCESSORIES/PACKING PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	QANTL0008AWZZ	J	AH	AM Loop Antenna
	QPLGA0003AWZZ	J	AF	AC Plug Adaptor
	QPLGA0004AWZZ	J	AF	AC Plug Adaptor
	SPAKA0243AWZZ	J		Packing Add.
	SPAKC0899AWZZ	J		Packing Case [CD-K7000W Except for Australia/New Zealand]
	SPAKC0900AWZZ	J		Packing Case [CD-C7000W Except for Australia/New Zealand/Turkey]
	SPAKC0973AWZZ	J		Packing Case [CD-C7000W for Australia/New Zealand]
	SPAKC1022AWZZ	J		Packing Case [CD-K7000W for Australia/New Zealand]
	SPAKC1045AWZZ	J		Packing Case [CD-C7000W for Turkey]
	SPAKP0013AWZZ1	J	AC	Polyethylene Bag,Unit
	SPAKZ0573AWZZ	J		Sheet,CD Tray
	SPAKZ0606AWZZ	J		Pad,Bottom
	TCAUA0044AWZZ	J		Caution Tag [CD-K7000W for Taiwan Only]
	TCAUS0019AWZZ	J	AD	Label,Warning [CD-K7000W for Thailand Only]
	TCAUZ0035AWZZ	J	AB	Caution Sheet,
	TGANE0011AW33	J		Warranty Card [CD-K7000W for Philippine]
	TGANZ0028AW36	J		Warranty Card [CD-K7000W for Taiwan]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	TINST0066AWZZ	J		Operation Manual [CD-K7000W for Thailand]
	TINSZ0531AWZZ	J		Operation Manual [CD-K7000W Except for Thailand/Australia/New Zealand]
	TINSZ0536AWZZ	J		Operation Manual [CD-C7000W Except for Australia/New Zealand]
	TINSZ0537AWZZ	J		Operation Manual [CD-C7000W for Australia/New Zealand]
	TINSZ0562AWZZ	J	AF	Operation Manual [CD-K7000W for Australia/New Zealand]
	TLABB0001AWZZ	J	AB	Label,SHARP Corporation Japan for Set
	TLABE0366AWZZ	J		Label,Bar Code [CD-K7000W for Australia/New Zealand/Union of Arab Emirates/ Taiwan/Thailand]
	TLABE0367AWZZ	J		Label,Bar Code [CD-K7000W Except for Australia/New Zealand/Union of Arab Emirates/Taiwan/Thailand]
	TLABE0369AWZZ	J		Label,Bar Code [CD-C7000W for Australia/New Zealand/Union of Arab Emirates]
	TLABE0423AWZZ	J		Label,Bar Code [CD-C7000W for Malaysia/ Turkey]
	TLABG0002AWZZ	J	AB	Label,Hong,Kong [CD-K7000W Hong Kong Only]
	TLABG0006AWZZ	J	AB	Label,Carton [For Argentine Only]
	TLABG0007AWZZ	J	AC	Label,Set [For Argentine Only]
	TLABH0056AWSA	J	AF	Sheet,E/C Comparison [CD-K7000W Only]
	TLABH0057AWSA	J	AF	Sheet,E/C Comparison [CD-K7000W Only]
	TLABH0058AWSA	J	AF	Sheet,E/C Comparison [CD-K7000W Only]
	TLABJ0003AWZZ	J	AB	Label,SHARP Corporation Japan for Packing Case
	TLABR1131AWZZ	J		Label,Bar Code [CD-C7000W Except for Australia/New Zealand/Union of Arab Emirates/Malaysia/Turkey]
	TLABS0249AWZZ	J		Label,Safety [CD-K7000W Only]
	TLABZ0620AWZZ	J	AB	Label,Saving Energy,Set
	TLABZ0707AWZZ	J		Label,Carton [CD-K7000W for Taiwan Only]
	TLABZ0708AWZZ	J		Label,Feature,Tape 1
	TLABZ0709AWZZ	J		Label,Feature,Tape 2
	TLABZ0749AWZZ	J		Label,Feature,Tape 1
	TLSTS0014AWZZ	J	AB	Service Station List [CD-K7000W for Taiwan]
	TMAPC0171AWZZ	J		Schematic Diagram A [CD-K7000W]
	TMAPC0172AWZZ	J		Schematic Diagram B [CD-K7000W]
	TMAPC0191AWZZ	J		Schematic Diagram A [CD-C7000W]
	TMAPC0192AWZZ	J		Schematic Diagram B [CD-C7000W]
	TTAG-0004AWZZ	J		Cord Tag [For Argentine Only]
	92LBAG1460C1	J	AB	Polyethylene Bag, Accessories
	92LBAG1770A	J	AB	Polyethylene Bag,AC Power Supply Cord [CD-K7000W Only]
	92LBAG760C	J	AA	Bag,AC Plug Adaptor
	92LFANT1746A	J	AD	FM Antenna
	92LGCARD1266E1	J	AC	Warranty Card
	92LLABL1204C	J	AA	Label,MADE IN MALAYSIA
	92LLABL1507B	J	AA	Label,Packing Case,MADE IN MALAYSIA
	92LPANEL713A	J	AB	Panel,MADE IN MALAYSIA
	RRMCG0221AWSA	J	AR	Remote Control [CD-C7000W]
	RRMCG0223AWSA	J	AS	Remote Control [CD-K7000W]
	GFTAB1022AWSB	J	AK	Battery Lid,Remote Control

P.W.B. ASSEMBLY (Not Replacement Item)

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
PWB-A1~4	92LPWB3352MANS	J	—	Main/Display/Headphones/Digital Output (Combined Ass'y)
PWB-B1,2	92LPWB3352PWRS	J	—	Power Supply/Power Amp. (Combined Ass'y)
PWB-C	92LPWB3306CDUS	J	—	CD Servo
PWB-D	92LPWB3352MICS	J	—	Karaoke [CD-K700W Only]
PWB-E1,2	92LPWB3352VOLS	J	—	Volume Motor/Jog
PWB-F	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-G	————			Tape Mechanism
PWB-H	92LPC99C017	J		CD Loading Motor (PWB Only)

OTHER SERVICE PART

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	UDSKA0004AFZZ	J	AZ	CD Optical Pickup Lens Cleaner Disc

CP-C7000

SPEAKER BOX PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
901	92L20100700010	J		Cloth Frame Ass'y
902	92L216T0700010	J		Net Cover,Top
903	92L216B0700010	J		Net Cover,Bottom
904	92L100W2700010	J		Speaker Box Ass'y,Woofer
905	92L100T2700010	J		Speaker Box Ass'y,Tweeter
906	92L311PC700010	J		Crossover Network
907	92L3143C700010	J		Speaker Cord Ass'y,Tweeter (with Capacitor)
909	92L200T0700030	J		Front Panel Ass'y,Tweeter
909	92L200W0700020	J		Front Panel Ass'y,Woofer
910	92L21607700000	J		Decoration Pipe
911	92L23036099030	J	AC	Catching Holder
912	92L44180310100	J		Leg Cushion
913	92L6000C700000	J		Label,Specification
914	92L6020C700000	J		Label,Caution
915	92L227-B070001	J		Rear Cabinet
916	92L332LY108B00	J	AH	Push Terminal
917	92L21600700010	J		Ring,Super Tweeter
918	92L411B830100P	J		Screw,ø3×10mm
919	92L411B840160P	J	AD	Screw,ø4×16mm
920	92L413B160160P	J		Screw,ø6×16mm
921	92L411F840160P	J		Screw,ø4×16mm
922	92L411B830120P	J	AB	Screw,ø3×12mm
923	92L411F830100P	J		Screw,ø3×10mm
924	92L3122C700010	J		Speaker Cord Ass'y,Woofer
SP1,2	VSP0027WB536A	J		Woofer
SP3,4	VSPA010TB226A	J		Tweeter
SP5,6	VSPA010SB216A	J		Mid Range
SP7,8	92L303R0300810	J	AH	Super Tweeter

ACCESSORIES/PACKING PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	92L3191C700010	J		Speaker Cord Ass'y
	92L6050C700000	J		Label,Bar Code [For Central America/Mexico]
	92L6051C700000	J		Label,Bar Code [Except for Central America/ Mexico]
	92L630PC700000	J		Label,Cuntry [For Central & South America Only]
	92L6901C700000	J		Label,Nom [For Mexico Only]
	92L6902C700000	J		Label,Taiwan [For Tiwan Only]
	92L6903C700000	J		Label,SHARP Corporation [For Turkey Only]
	92L70032000310	J	AD	Polyethylene Bag,Tweeter
	92L70032002600	J		Polyethylene Bag,Woofer
	92L71525005600	J		Sheet,Miramat,Woofer
	92L71525005700	J		Sheet,Miramat,Tweeter
	92L720BC700000	J		Packing Add.,Bottom,Woofer
	92L720LC700000	J		Packing Add.,Left,Tweeter
	92L720RC700000	J		Packing Add.,Right,Tweeter
	92L720TC700000	J		Packing Add.,Top,Woofer
	92L730PC700010	J		Packing Case [Except for Australia/New Zealand]
	92L730PC700011	J		Packing Case [For Australia/New Zealand]
	92L74481000400	J		Pad

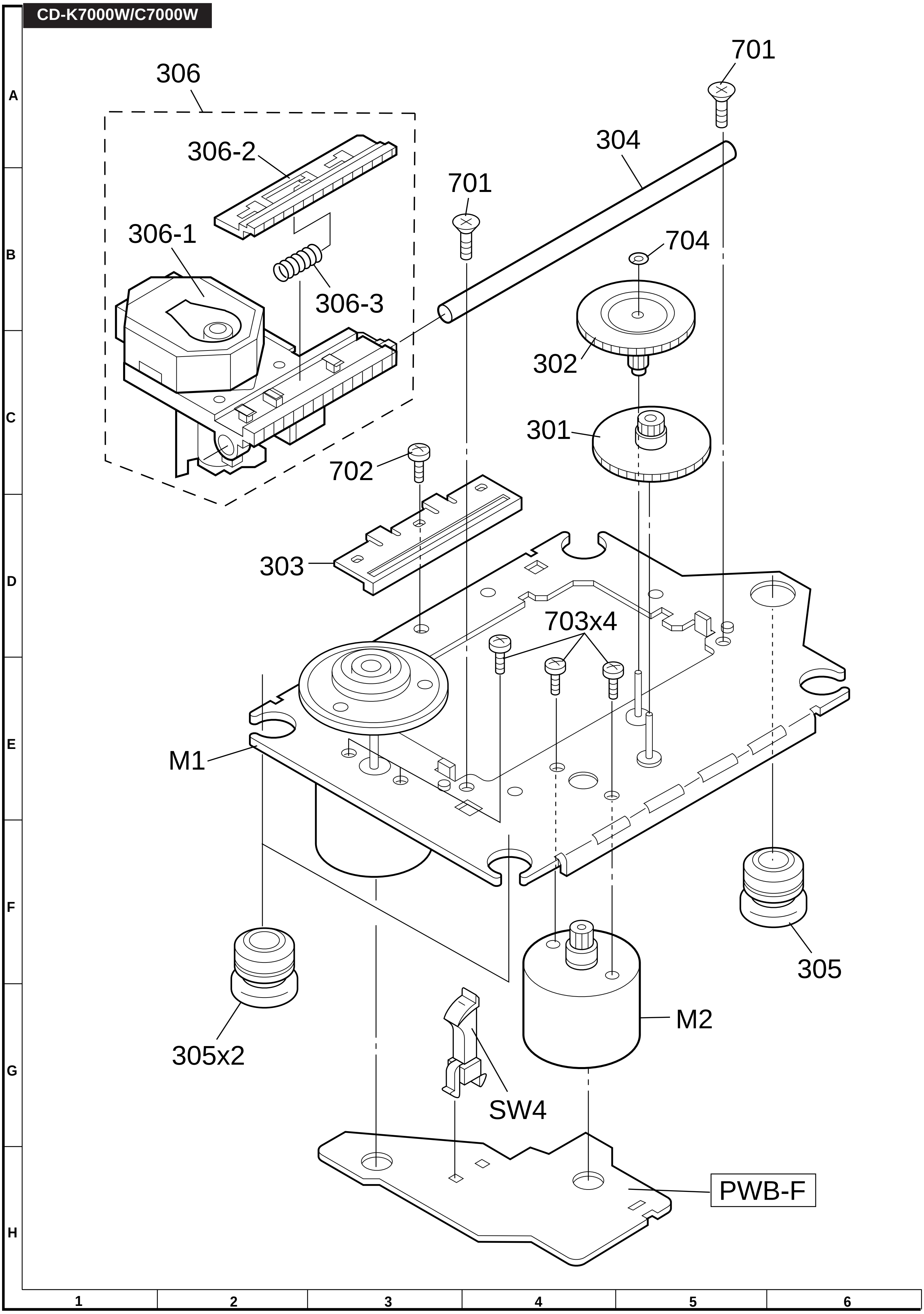
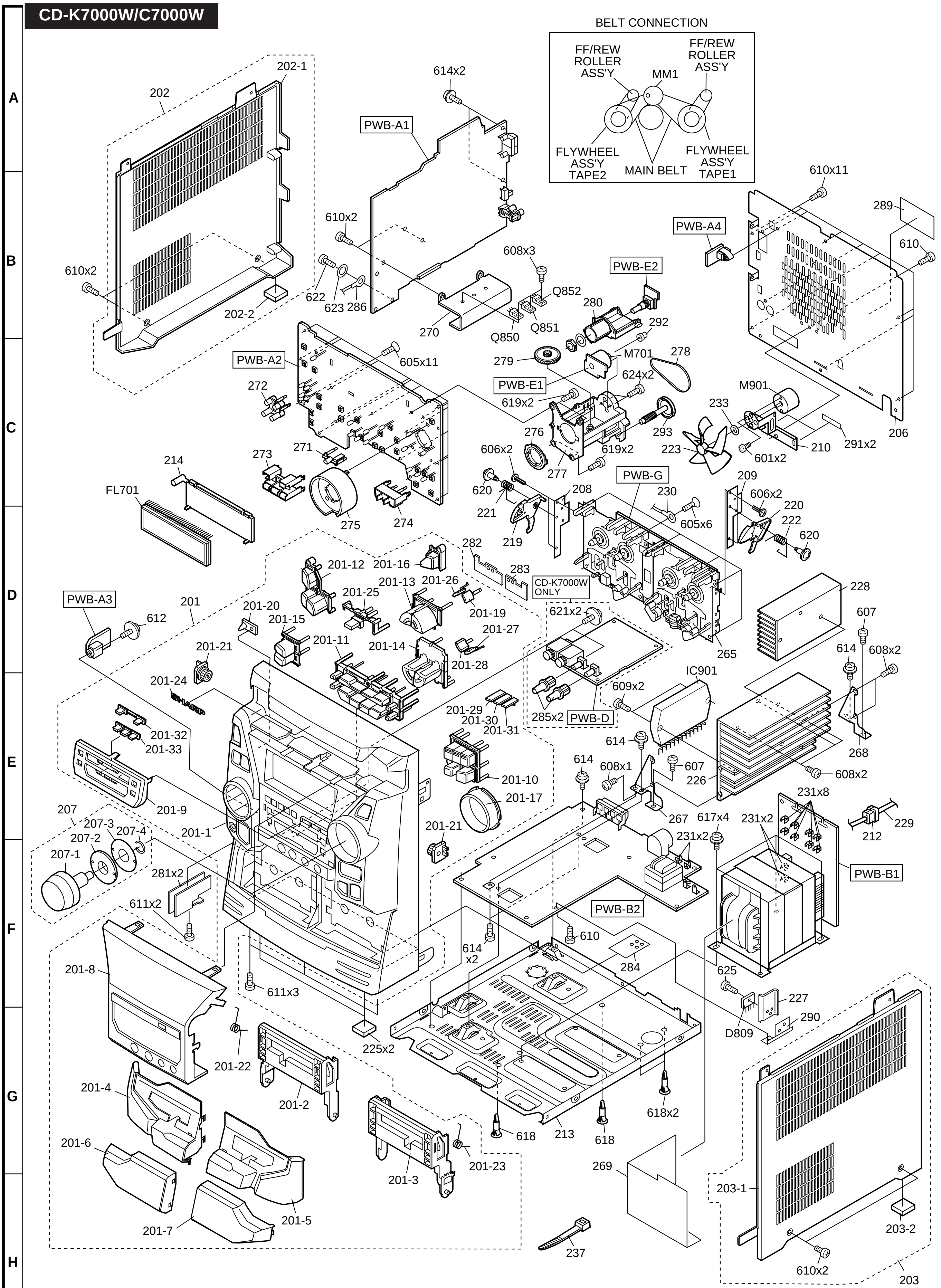


Figure 9 CD MECHANISM EXPLODED VIEW



Note: Only tape mechanism assembly and consumable parts are supplied for replacement purposes.

Figure 10 CABINET EXPLODED VIEW (1/2)

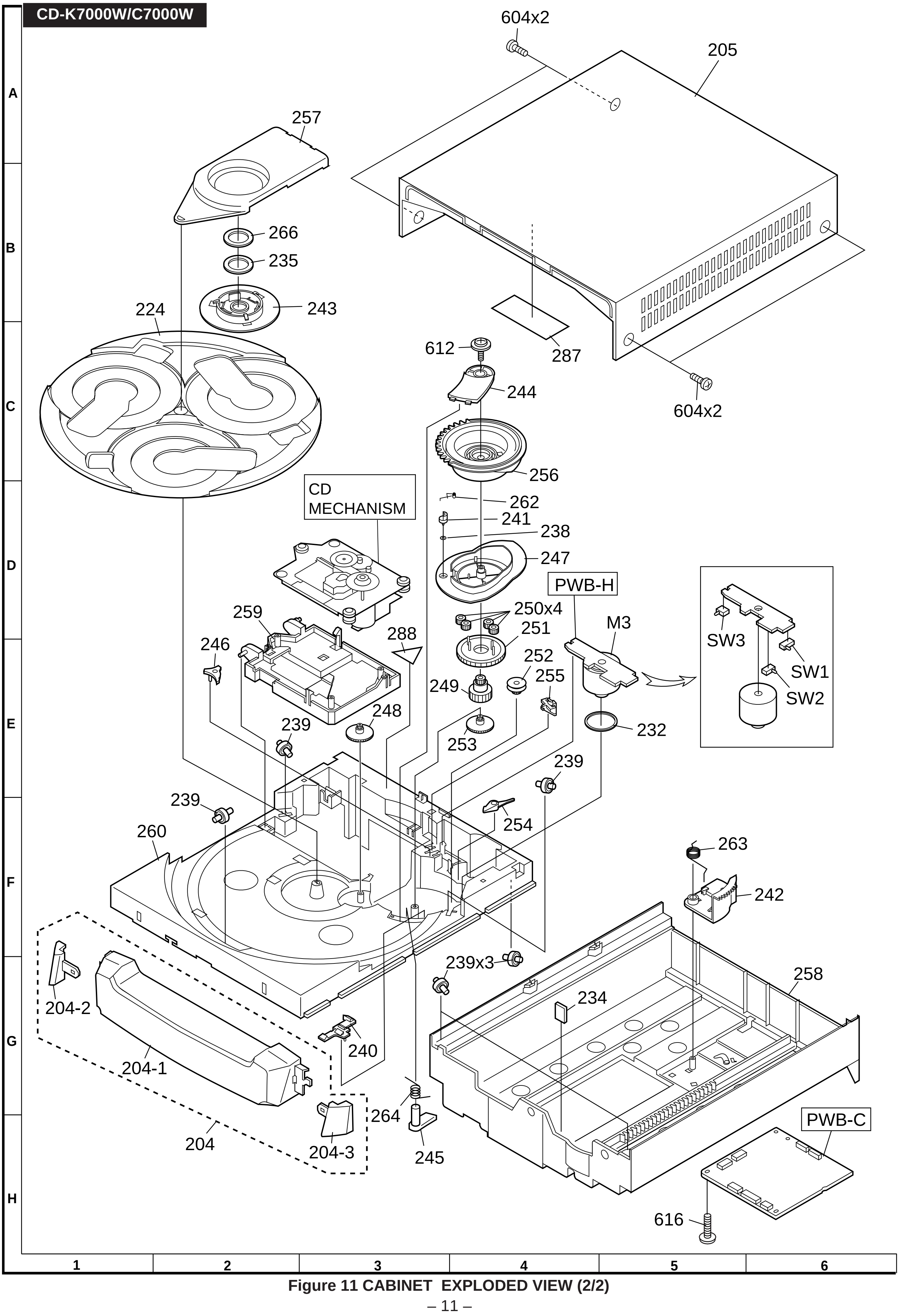


Figure 11 CABINET EXPLODED VIEW (2/2)

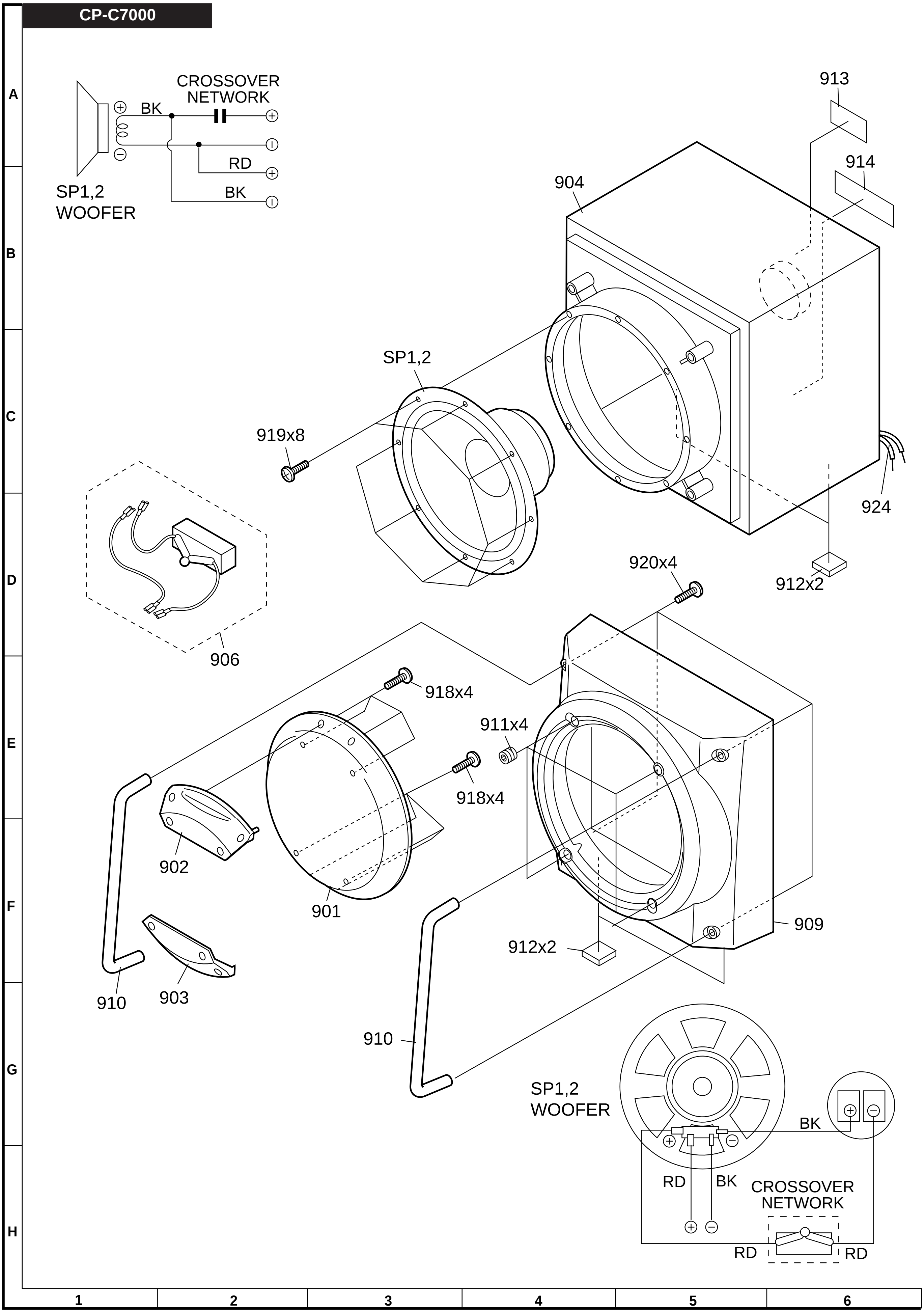


Figure 12 SPEAKER EXPLODED VIEW (1/2)

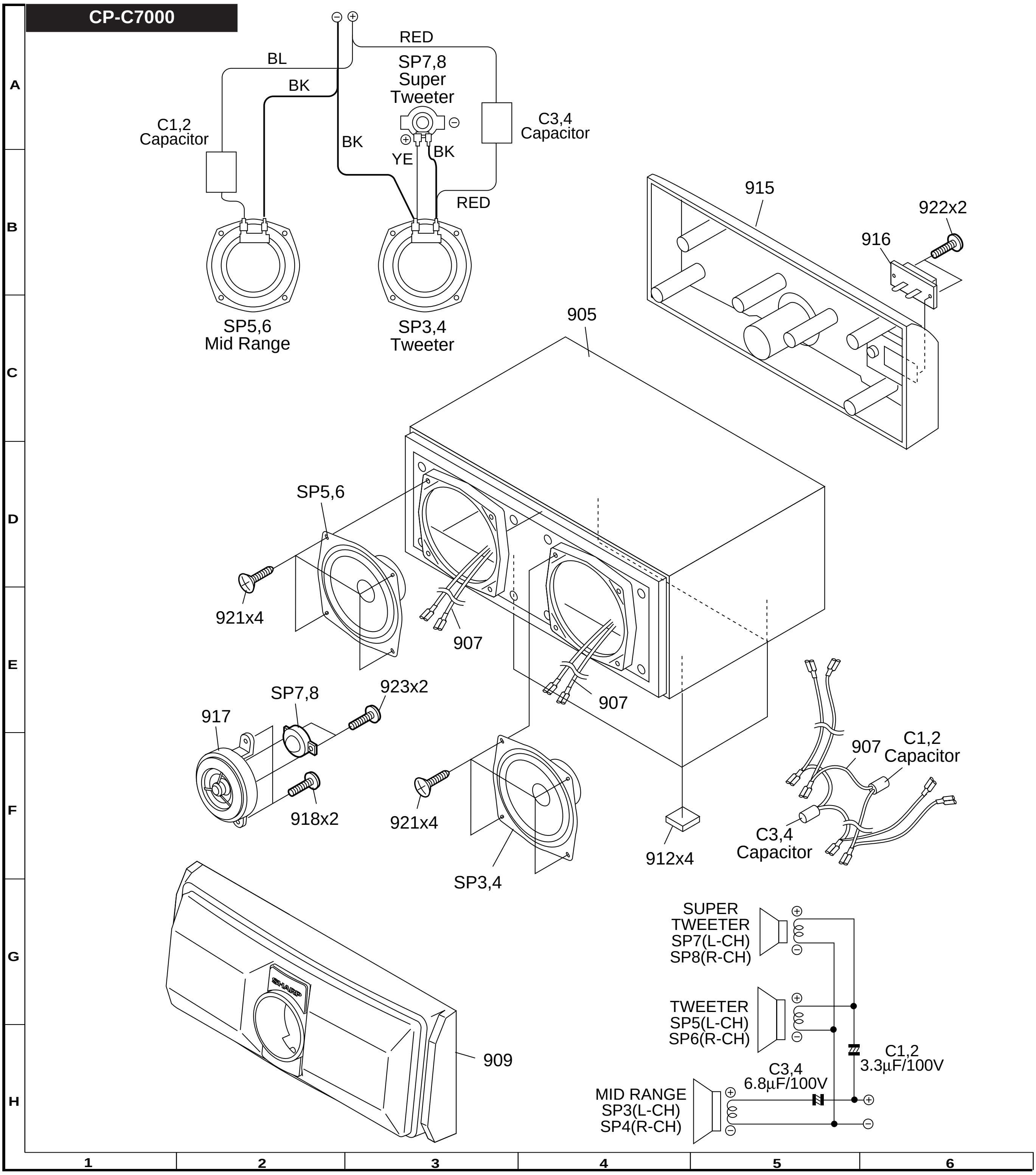


Figure 13 SPEAKER EXPLODED VIEW (2/2)

SHARP

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